

FIG. 1A

poly dl-dC E. coli



FIG. 1B

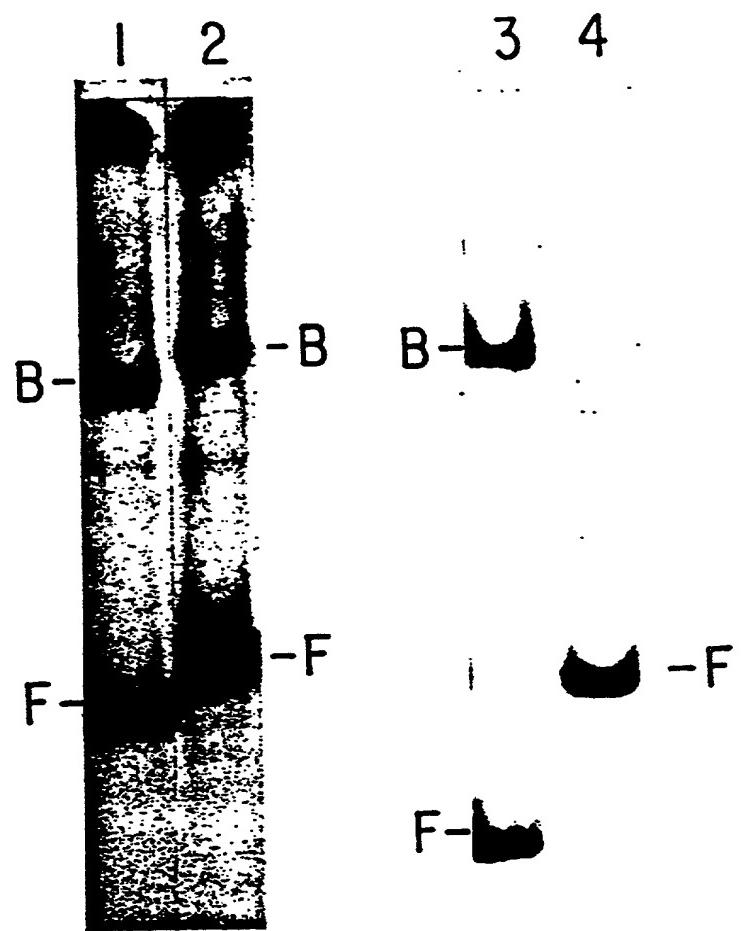


FIG.1C

pUC VL

1 2 3 4 5 6 7

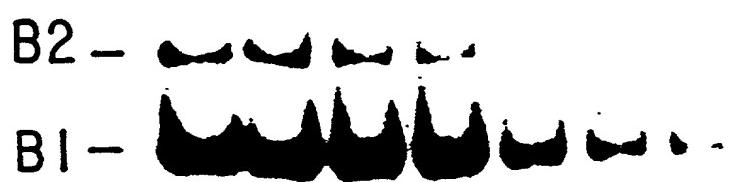
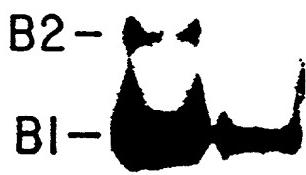


FIG.2A

FIG.2B

1 2



HeLa

FIG.3

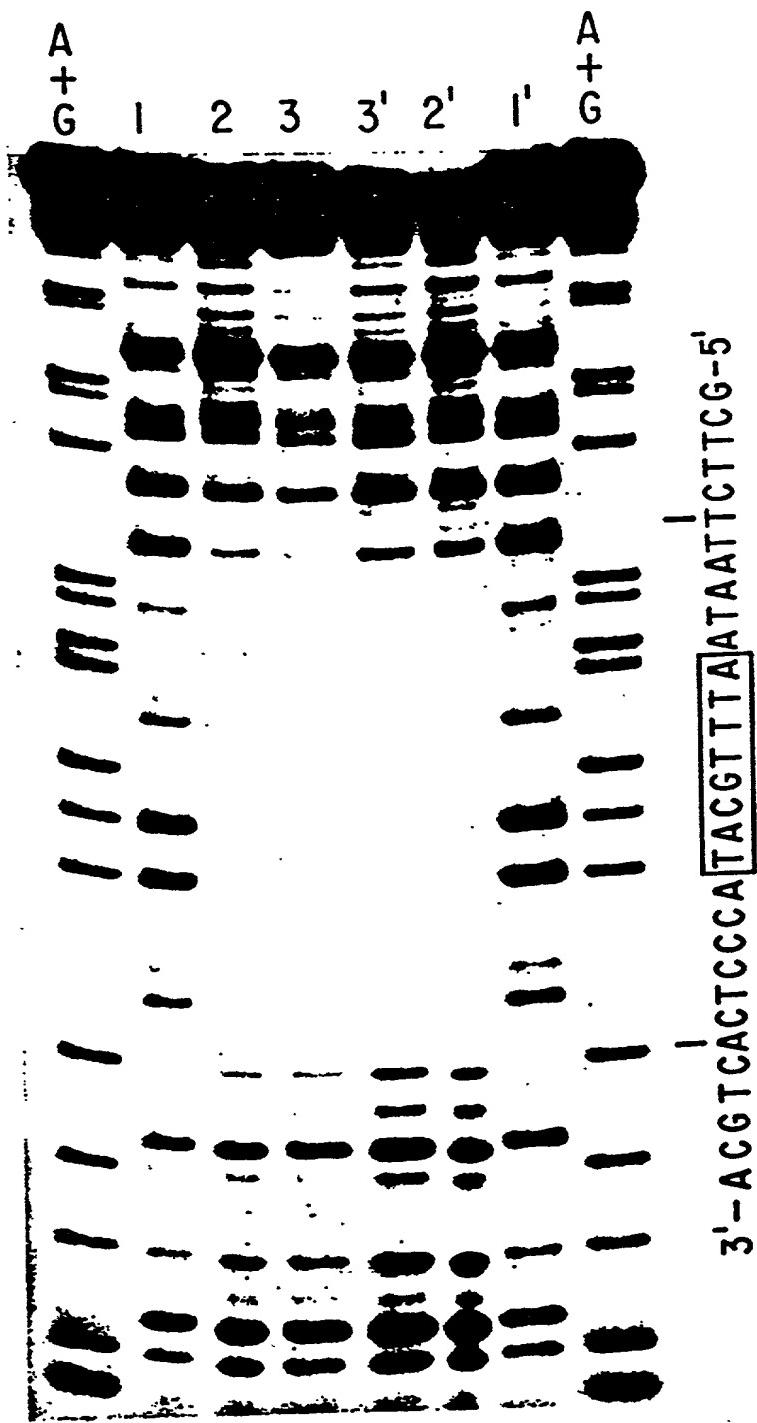


FIG.4A

V_L	coding strand (-66)	TCTTAATA	ATTTGCAT	ACCCCTCAC*
V_H	non-coding strand (-50)	CGCACATG	ATTTGCAT	ACTCATGA
$J_H - C\mu$	coding strand (166)	CCTGGGTA	ATTTGCAT	TTCTAAAA

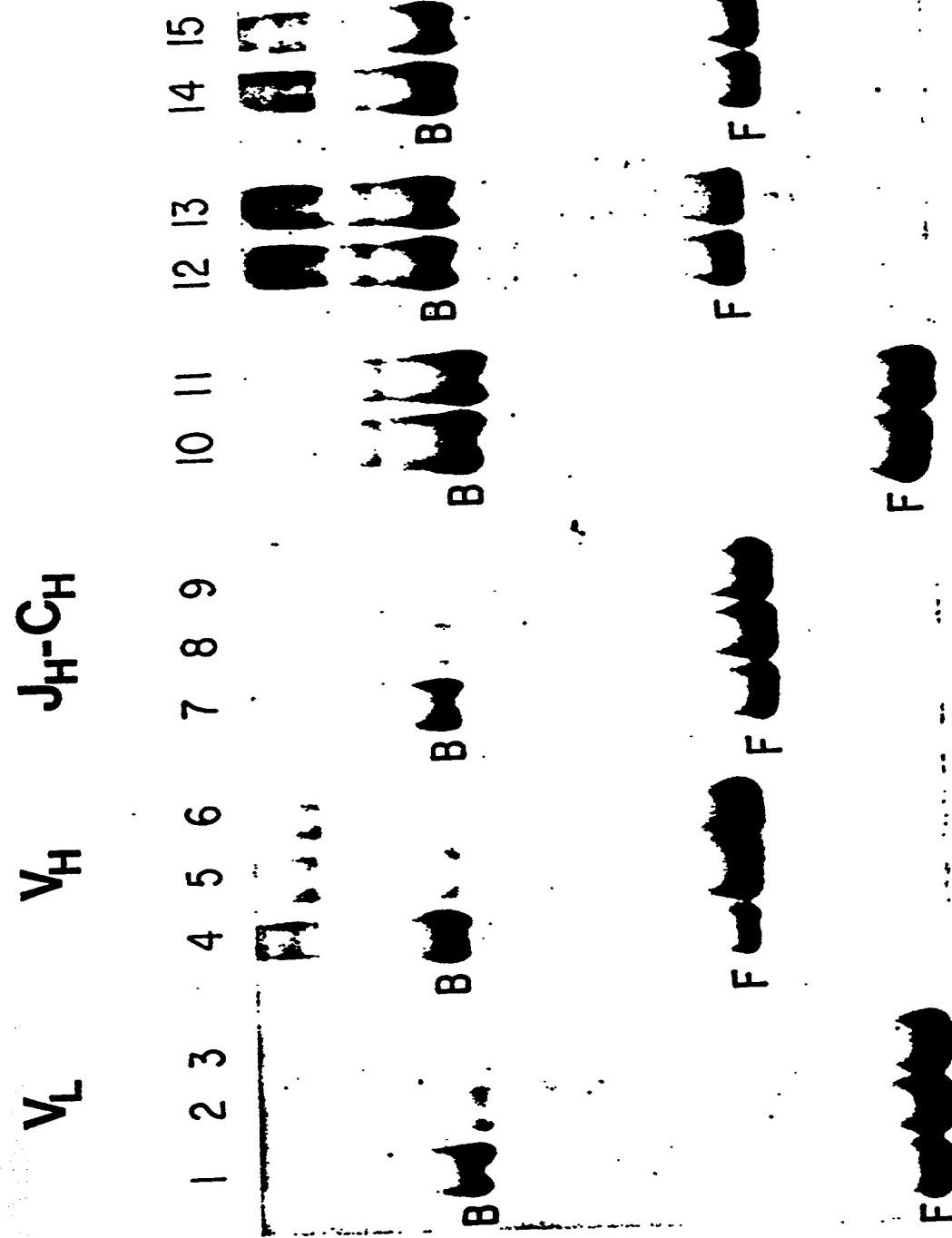


FIG. 4B

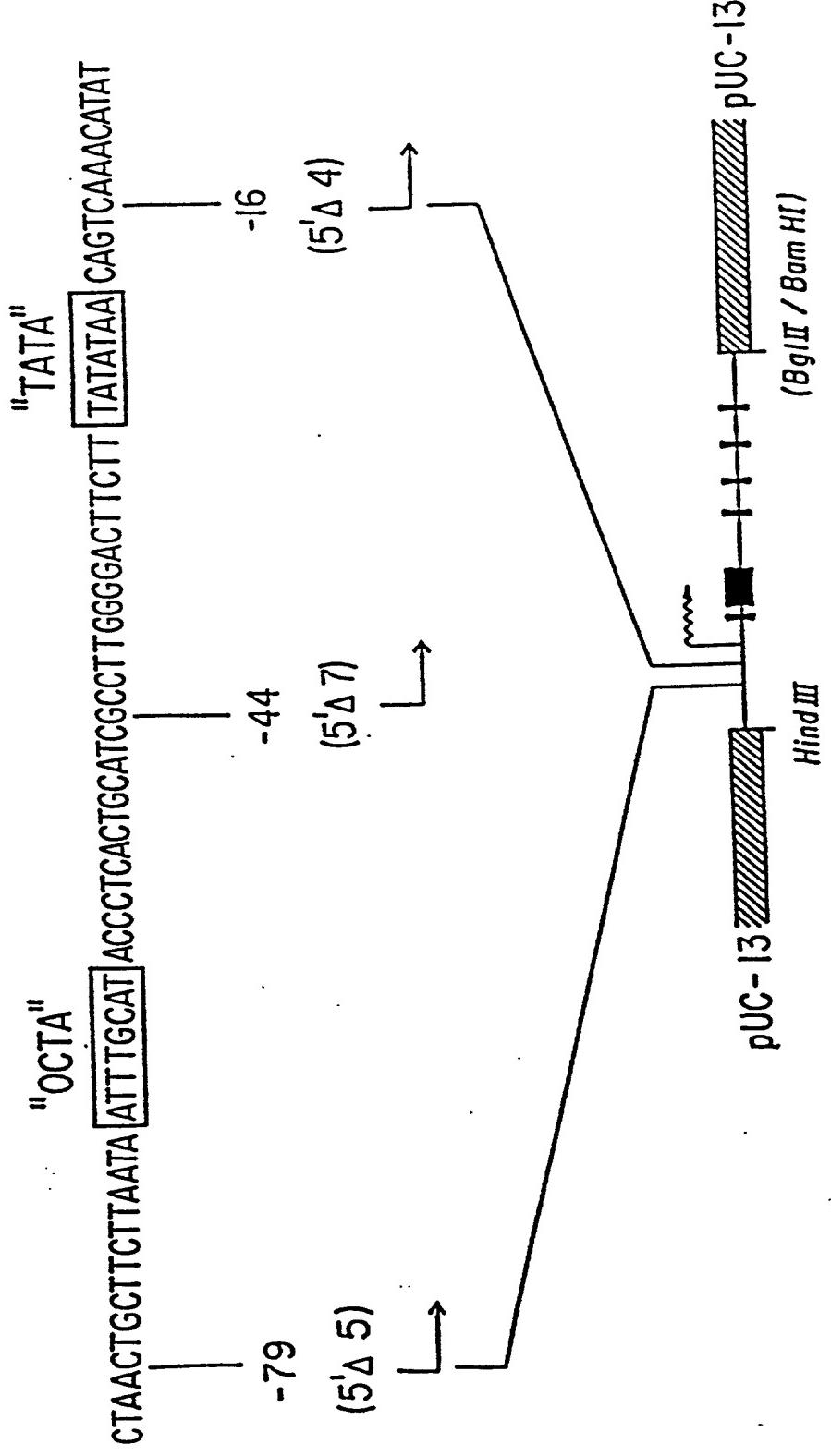


FIG. 5A

FIG.5B



FIG.6

Extract:

pK
 $p\Delta KE\mu$
 $p\Delta K$

$\left. \begin{array}{c} pK \\ p\Delta KE\mu \\ p\Delta K \end{array} \right\}$ EW

Template:

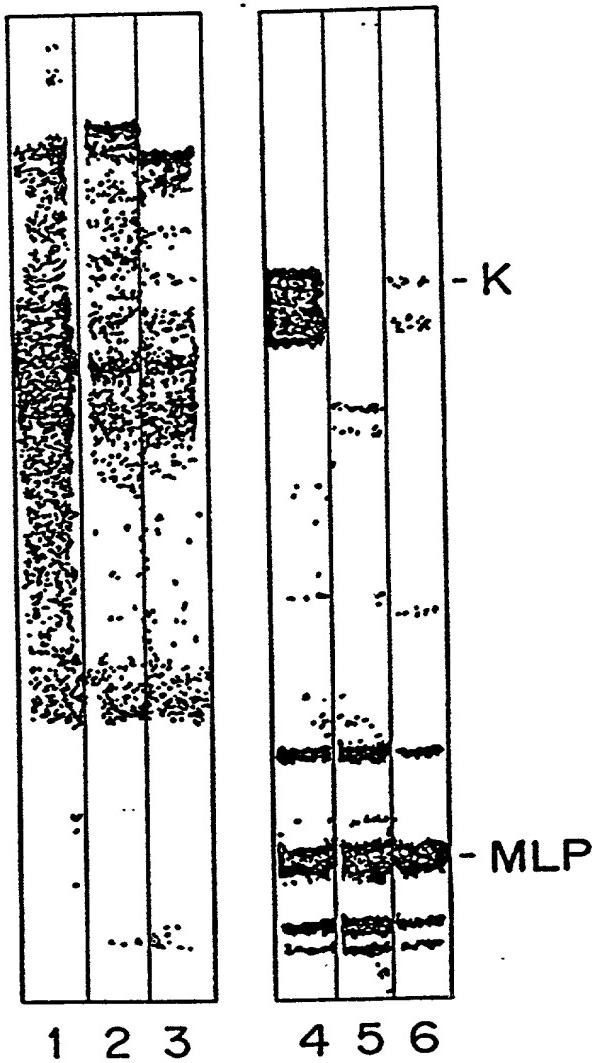


FIG. 7

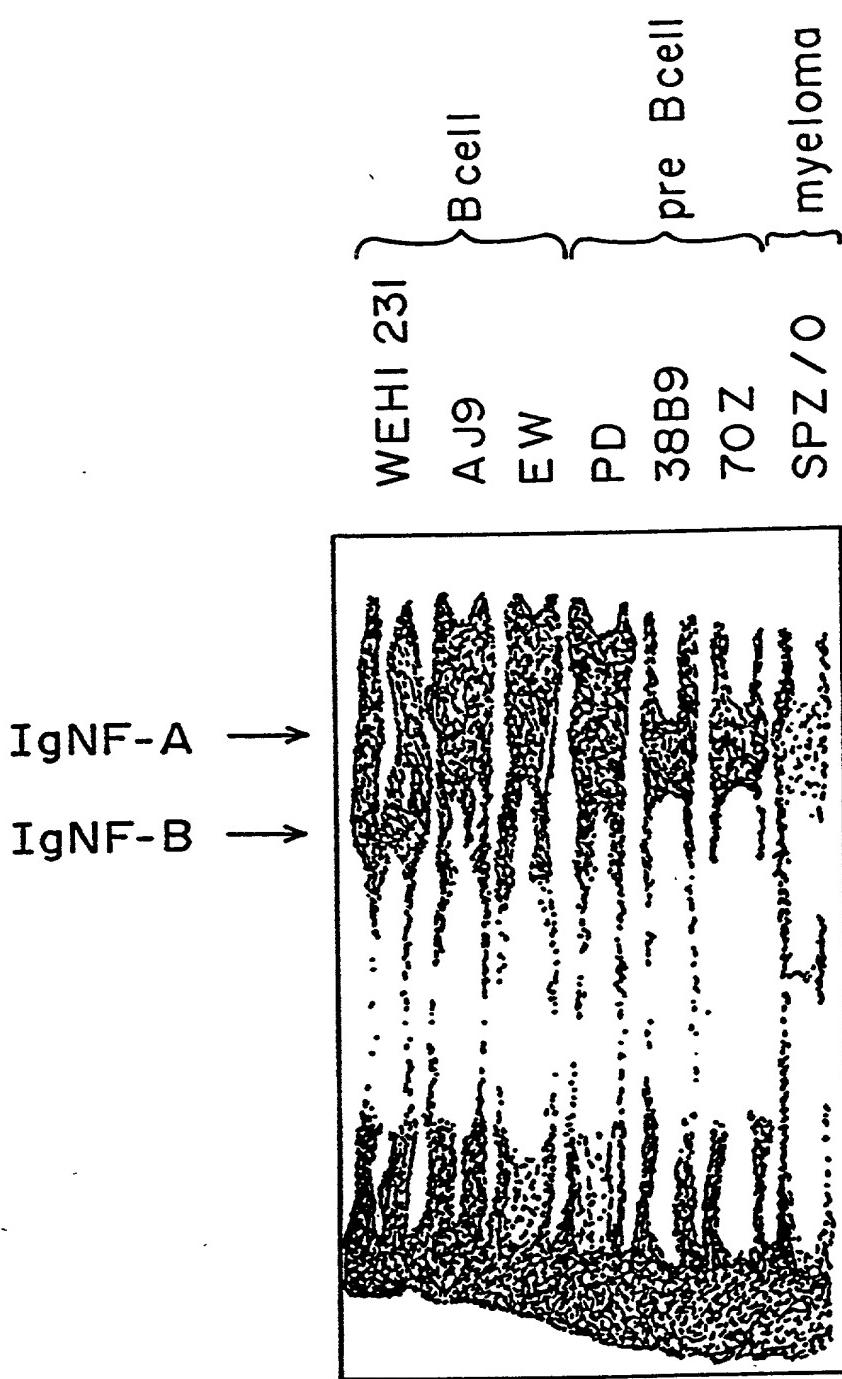
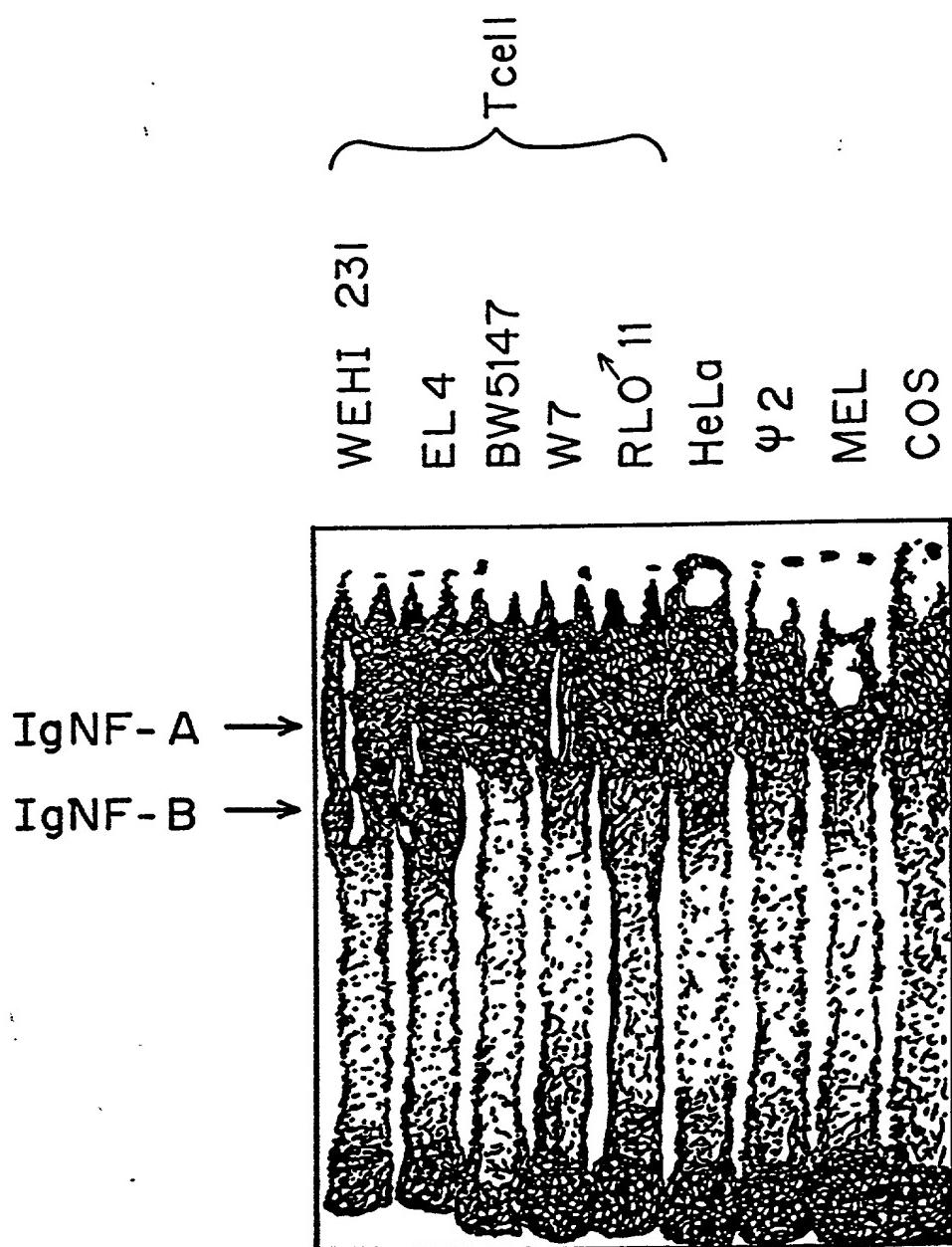


FIG. 8



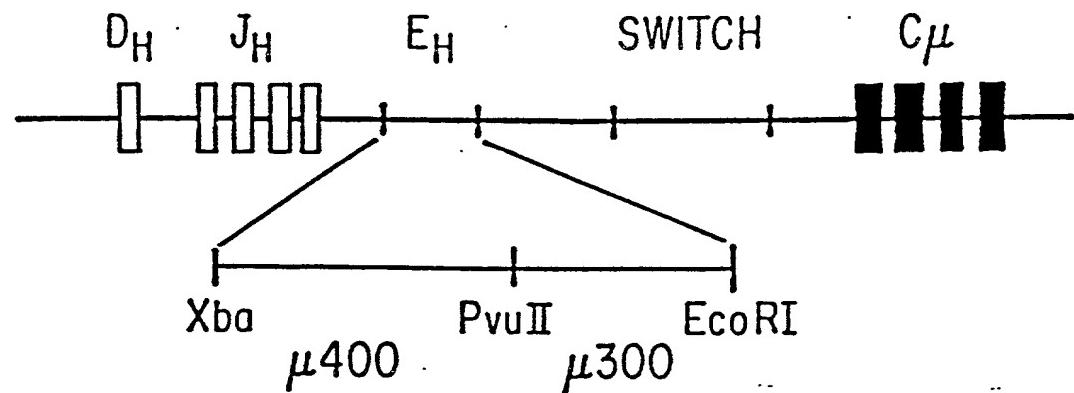


FIG.9A

Probe: μ 300
 Extract: EW/N
 Competitor:

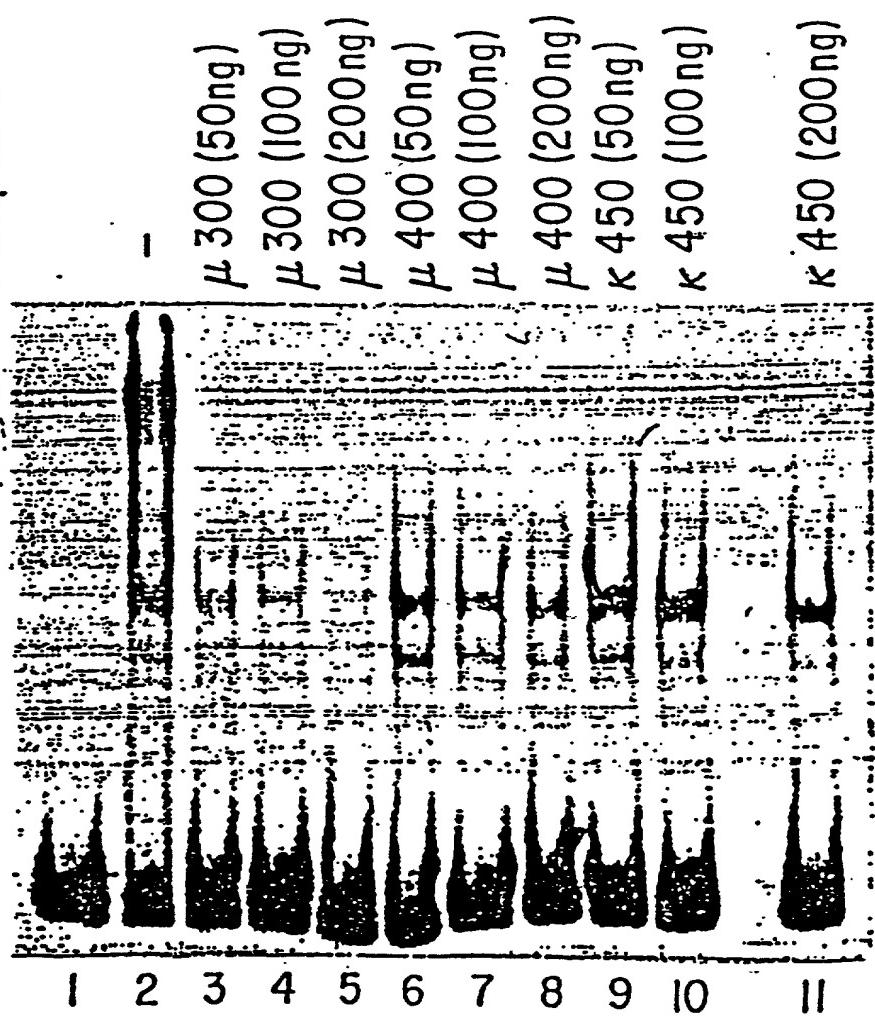


FIG.9B

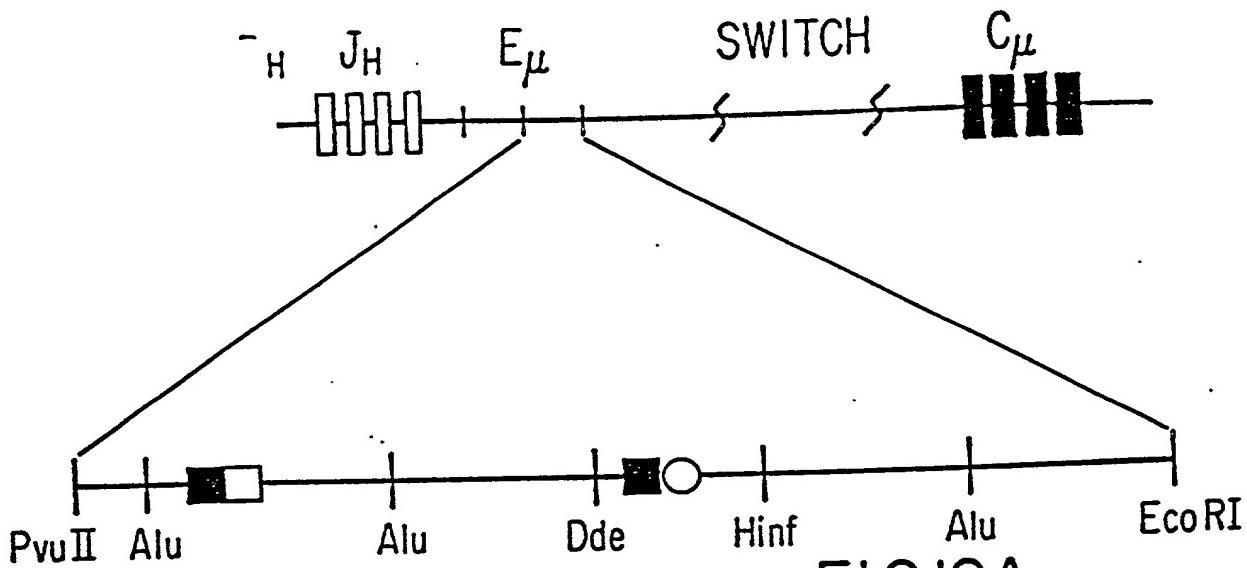
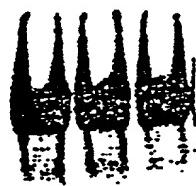


FIG.10A

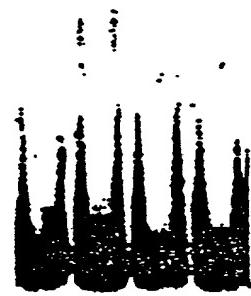
- : E
- : ?
- : Octamer (ATTTGCAT)

FIG.10B

Probe: $\mu 50$
d.I.C. $\xrightarrow{ }$



$(\mu 60)_2$
d.I.C. $\xrightarrow{ }$



$\mu 70$
d.I.C. $\xrightarrow{ }$

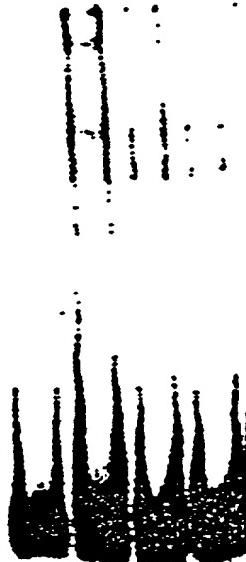
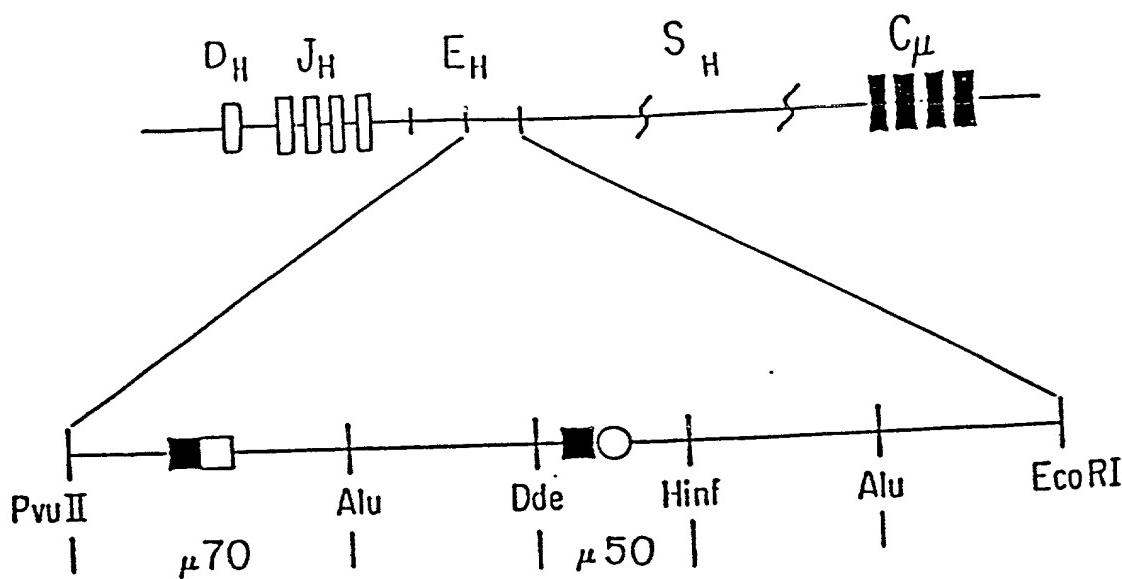


FIG.IOC



- : PEW!
- : ?
- : Octamer (ATTTGCAT)

LABEL: $\mu 70$
COMPETITOR:

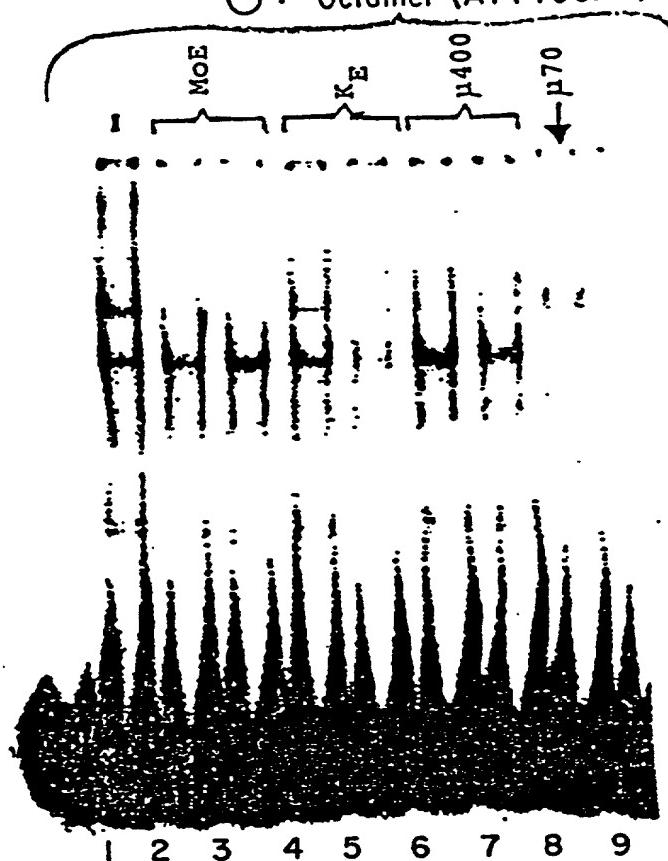


FIG.IOD

FIG.10E

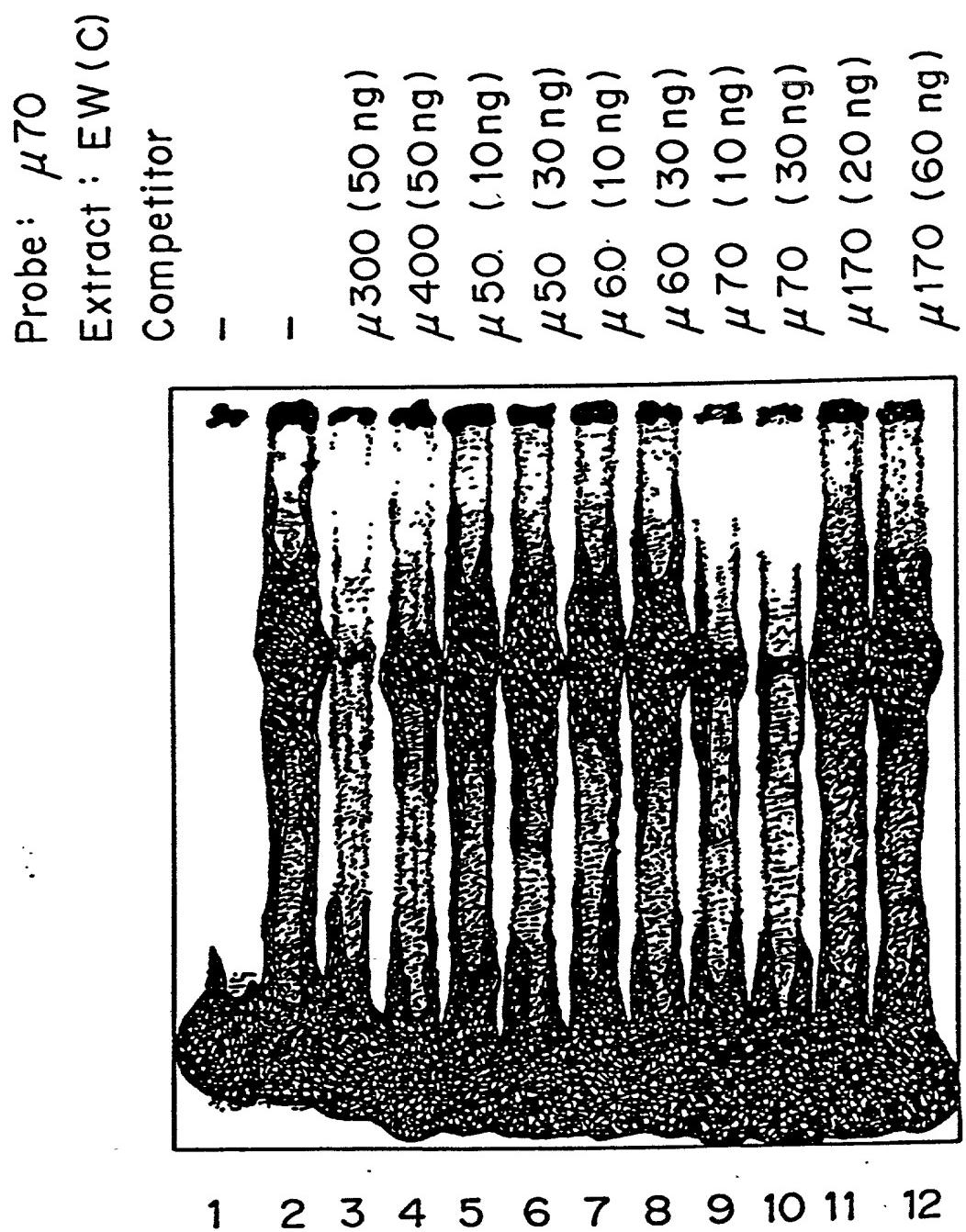


FIG.IIA

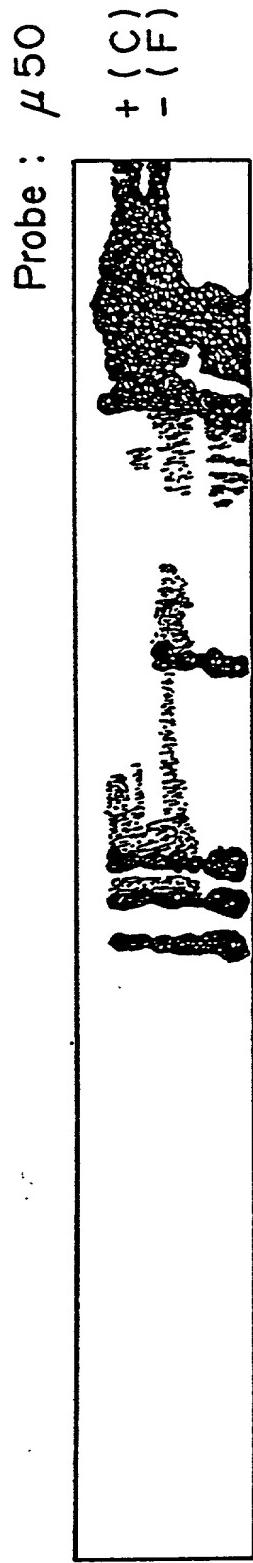
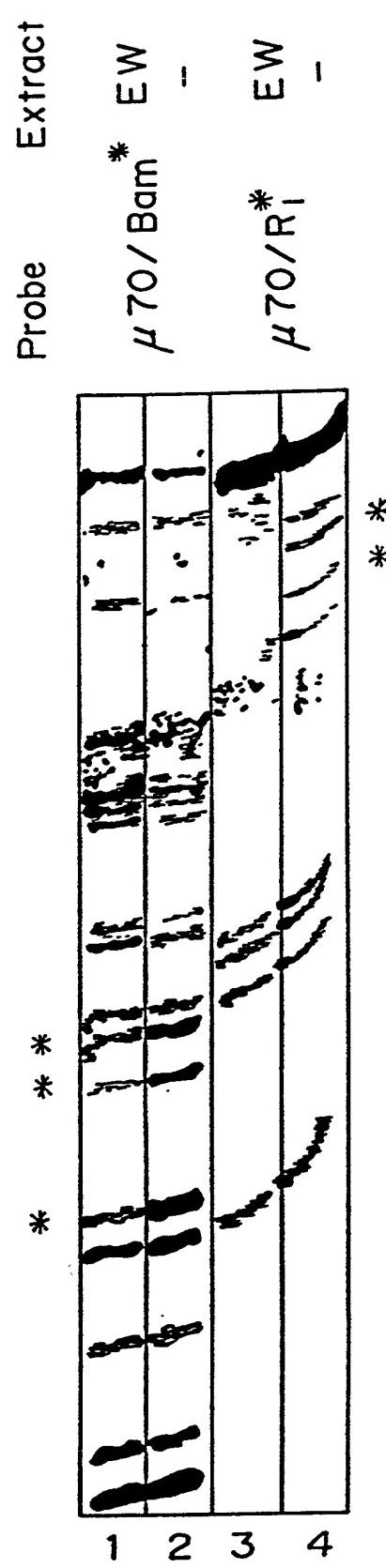


FIG.IIB



۵۰

AATTACCCAGGTGGTGTTC
TTAATGGTCCACCAAAACG

۱۷۰:

A G C A G @ T C A T @ G T @ G C A A G G C T A
T C G T C C A @ G T A C A C C @ G T T C C G A T

FIG. I

FIG.12A

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19



FRAGMENT: μ 50
EXTRACT(9-11 μ gm)

HAF TL
PD
3889
70Z
EW
WEIII/231
AJ9
SP2-O
KR-12
8226
RLdII
W7
EL4
BW
COS
3T3
MEL
MeLa

1
2
3
4
5
6
7
8
9
10
11
12



FRAGMENT: μ 70
EXTRACT(9-11 μ g)

EW
C5
3889
70Z
WEIII
SP2-O
COS
3T3
MEL
PCC4
HeLa

FIG.12B

FIG.13A

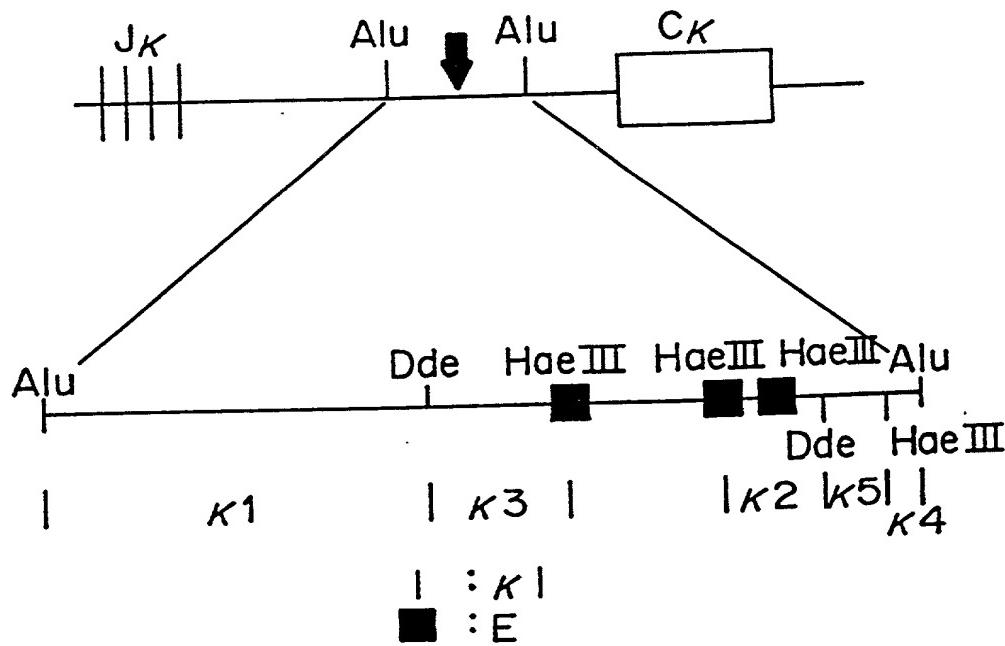
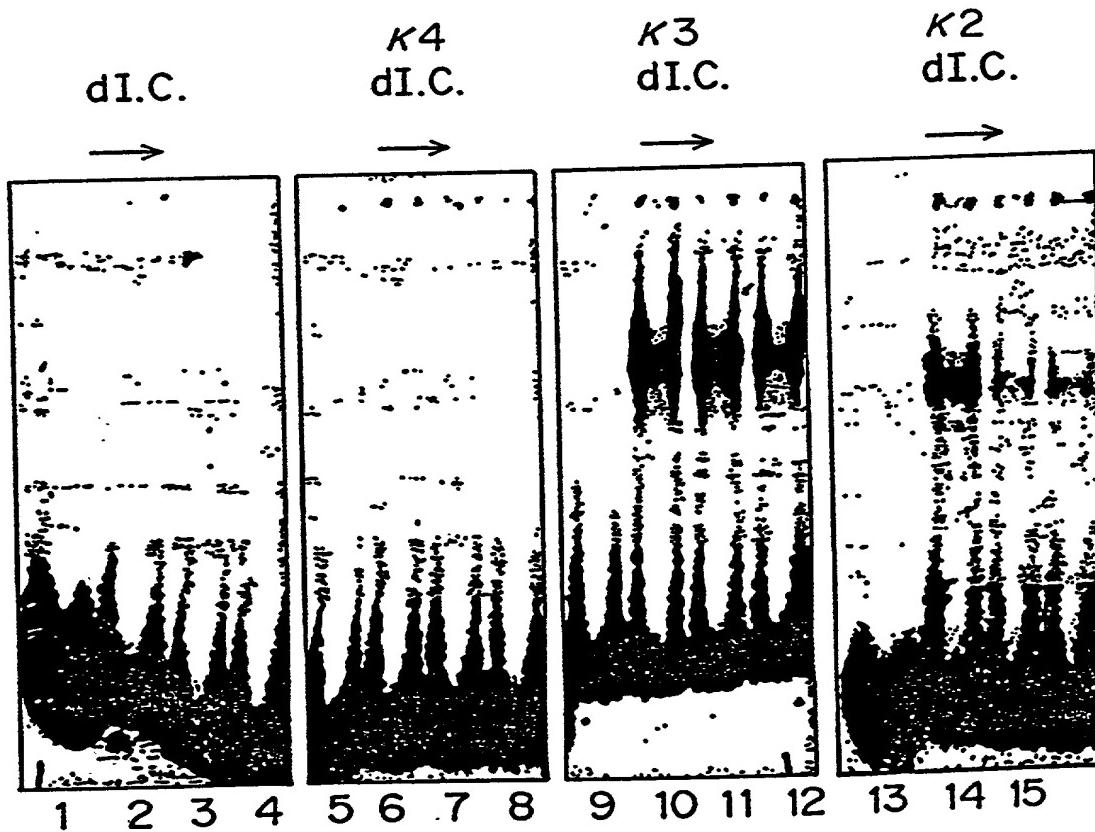


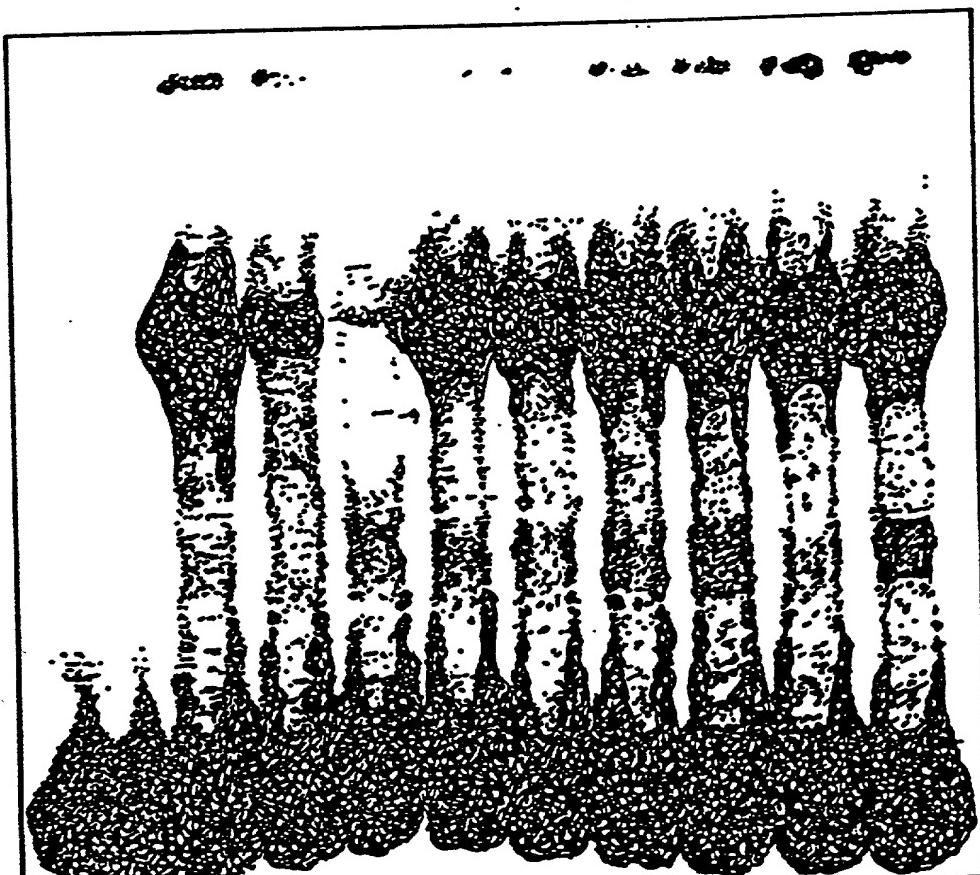
FIG.13B



Extract EW/c 1 μ l
fragment Comp

FIG. 13C

K2 -
K2 -
K2 M70 Long
K2 M70 30ng
(M60)₂ 10
(M60)₂ 30
(M170)₂ 20
M170 60
K2 SV 40E 50
K2 SV 40E 150



1 2 3 4 5 6 7 8 9 10

FIG.13D

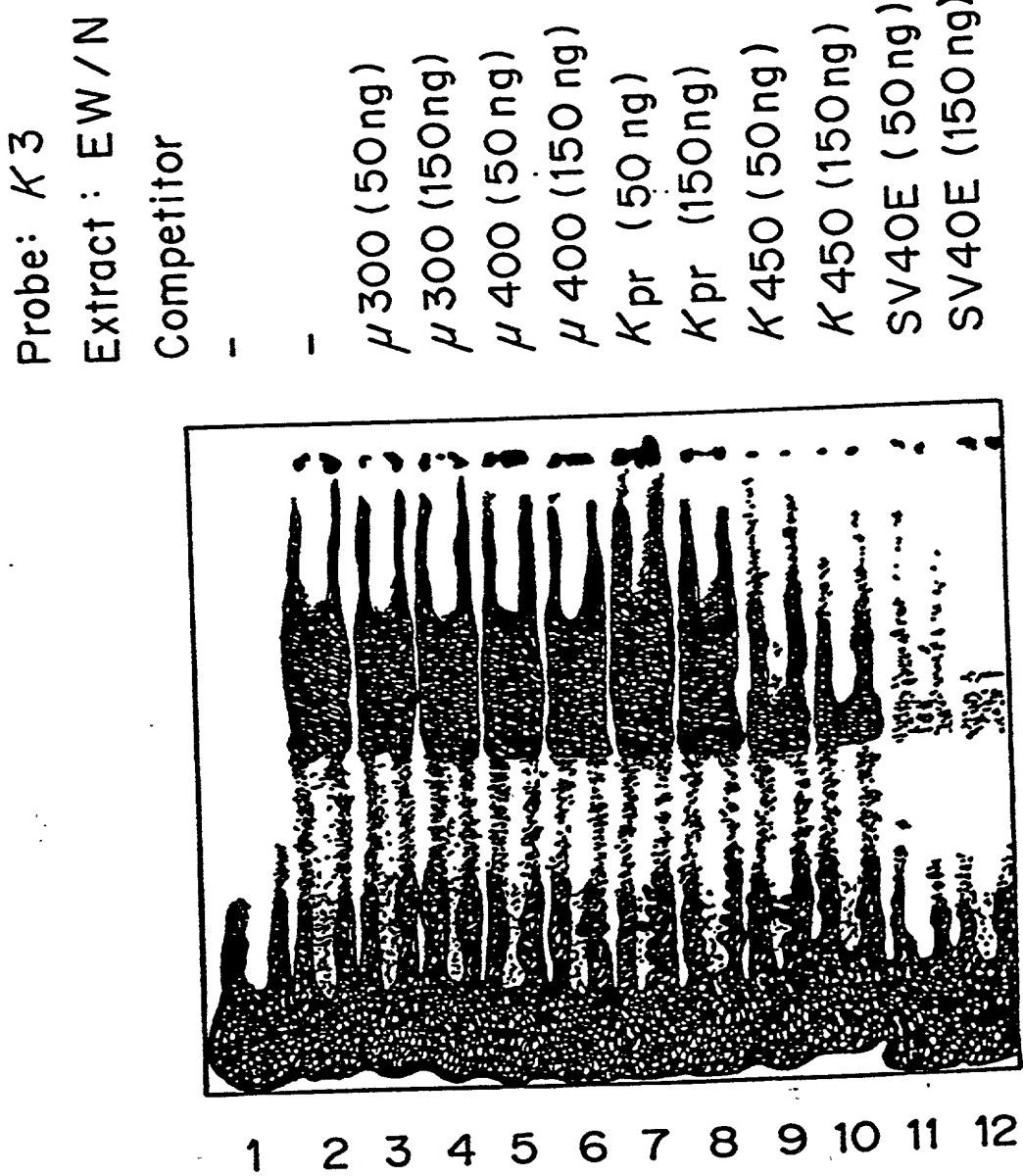


FIG. 14

Probe : $\kappa - 3 / \text{Dde}^*$

Extract

MPC II

-

WEHI 23I

-



1 2 3 4

FIG.15A

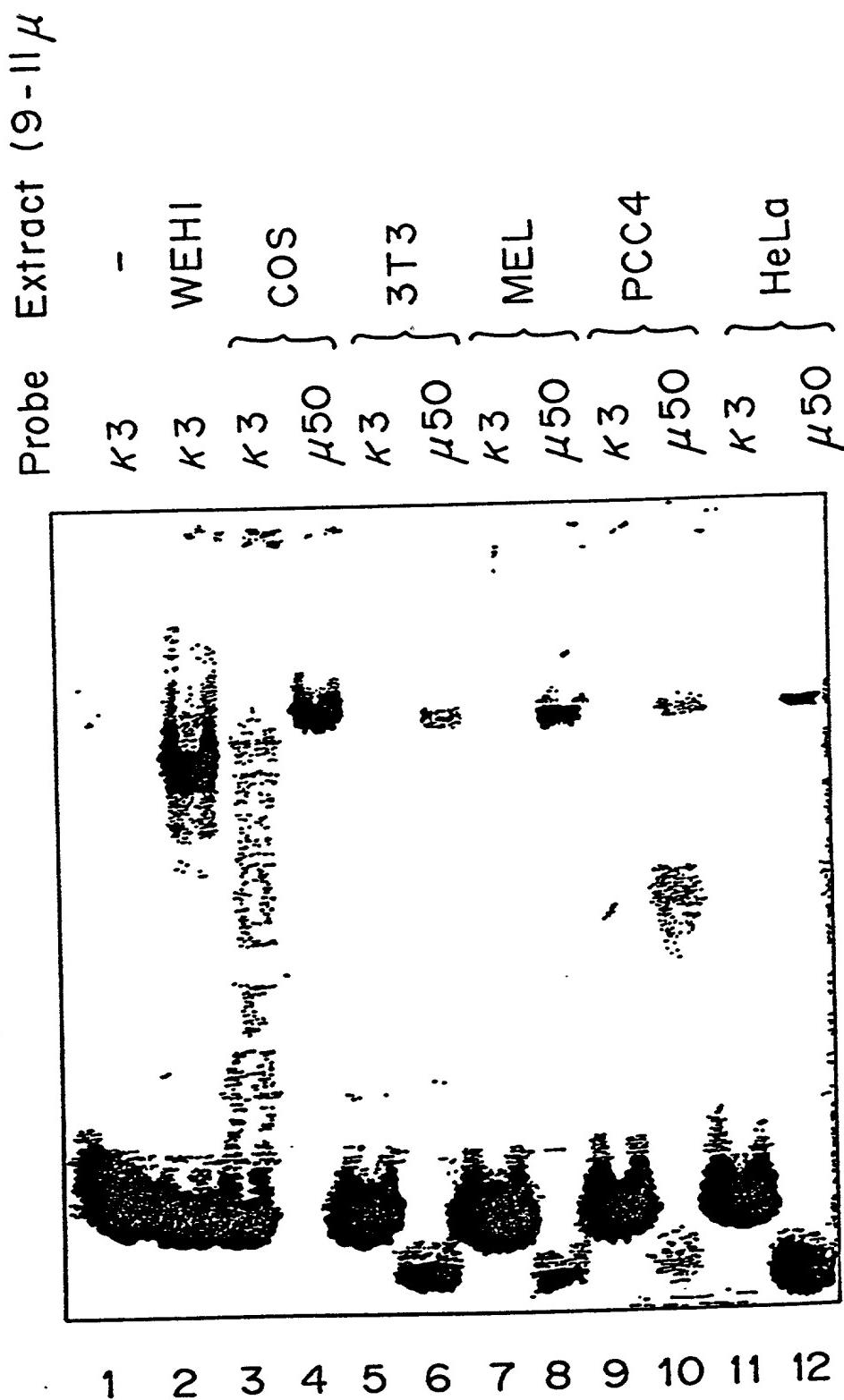


FIG. I-5B

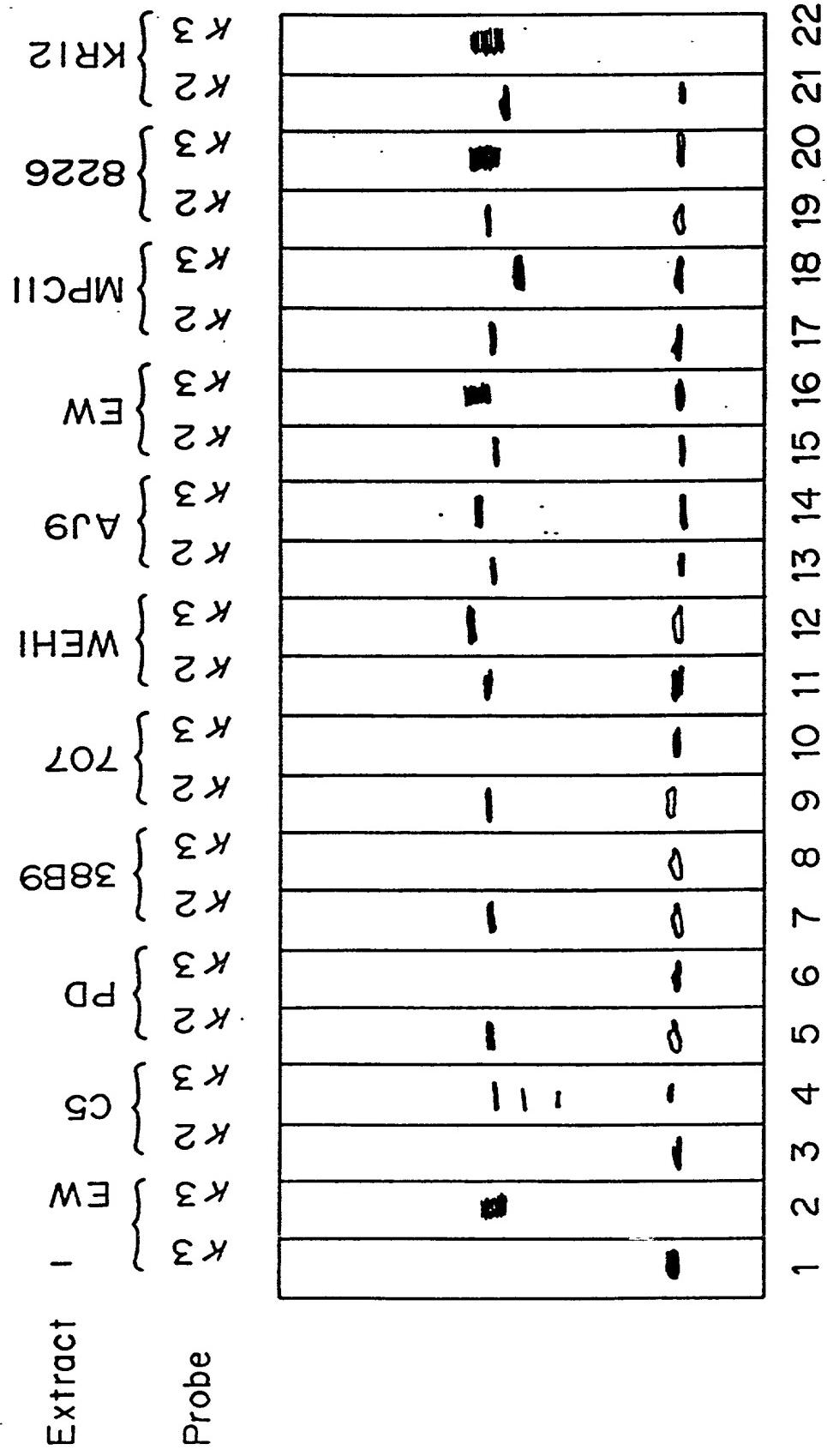
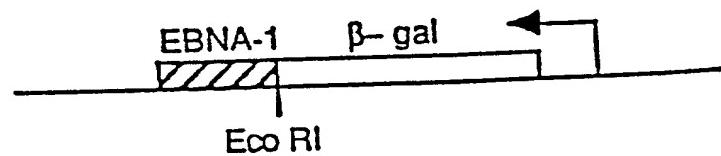


FIG.16

λ gt11-EBNA-1



oriP PROBE

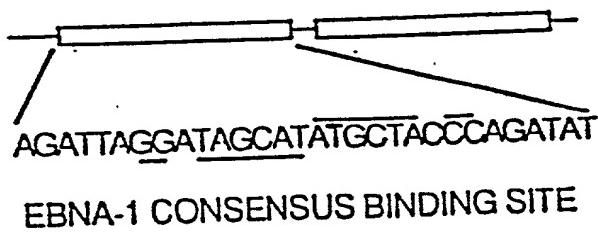


FIG.17

A.

<i>MHC</i>	<u>TGGGGATTCCCCA</u>
<i>mhc1</i>	TGcGGATTCCCaA
<i>κEN</i>	aGGGGAcTttCCg
<i>ken</i>	aaatt <u>A</u> ttCCg
<i>SVEN</i>	TGGGGAcTttCCA
<i>HIV</i>	TGGGGAcTttCCA
	aaGGGAcTttCCg

1 CTGGGGCCCCAGAGAGGTGGGAGATGACACAGTTGTCCTCCAGCCCTGGCGGGCG
 61 GGCAGCATGGTCACTCCAGCATGGGGCTCCAGAAATAAGAATGTCTAACGCCCTGGAG
 M V H S S M G A P E I R M S K P L E
 121 GCCGAGAAGCAAGGTCTGGACTCCCCATCAGAGCACACAGACACCGAAAGAAATGGACCA
 A E K Q G L D S P S E M T D T E R N G P
 181 GACACTAACATCAGAACCCCCAAAATAAGACCTCCCCATTCTCCGTGTCCCCAACTGGC
 D T N H O N P Q N R T S P F S V S P T G
 241 CCCAGTACAAAGATCAAGGCTGAAGACCCCAGTGGCGATTCAAGCCCCAGCAGCACCCCTG
 P S T K I K A E D P S G D S A P A A P L
 301 CCCCCTCAGCCGGCCCAGCCTCATCTGCCCAAGGCCAACTCATGTTGACGGGCAGCCAG
 P P Q P A Q P N L P Q A Q L M L T G S Q
 361 CTAGCTGGGACATACAGCAGCTCCTCCAGCTCCAGCAGCTGGTGTGCCAGGCCAC
 L A G D I Q Q L L Q L Q Q L V L V P G H
 421 CACCTCCAGCCACCTGCTCAGTCTGCTACCGCAGGCCAGCAGGCCAGGCCCTG
 H L Q P P A Q F L L P Q A Q Q S Q P G L
 481 CTACCGACACCAAATCTATTCCAGCTACCTCAGCAAACCCAGGGAGCTCTGACCTCC
 L P T P H L F Q L P Q Q T Q G A L L T S
 541 CAGCCCCGGCCGGCTTCCCACACAGGCCGTACCGCCCTACGCTGCCGACCCGCAC
 Q P R A G L P T Q A V T R P T L P D P H
 601 CTCTCGACCCGCAGCCCCAAATGCTGGAGCCACCATCCCACCCGAGGAGCCAGT
 L S H P Q P P K C L E P P S H P E E P S
 661 GATCTGGAGGAGCTGGAGCAATTGGCCCGCACCTCAAGCAACGCCGCATCAAGCTGGC
 D L E E L E Q F A R T F K Q R R I K L G
 721 TTACCGCAGGGTGATGTGGGCCTGGCCATGGCAAGCTTACGCCAACGACTTCAGCCAG
 F T Q G D V G L A M G K L Y G N D F S Q
 C G P G H G Q A L R Q R L Q P D

FIG. 18A

1261 GTTACTACCTTATCCTCAGCTGTGGGACGCTCCACCCAGCCGGACAGCTGGAGGGGGT
 V T T [L] S S A V G T [L] H P S R T A G G G
 Y Y L I L S C G D A P P Q P D S N M G W

1321 GGGGGCGGGGGCGGGCTGCGCCCTCAATTCCATCCCCTCTGTCACTCCCCCACCC
 G G G G G A A P P L N S I P S V T P P P
 G M G R G C A P P Q F H P L C H S P T P

1381 CCGGCCACCAACAAACAGCACAAACCCAGCCCTCAAGGCAGCCACTCGGCTATCGGCTTG
 P A T T N S T N P S P Q G S H S A I G L
 G H N Q Q H K P Q P S R Q P L G Y M L V

1441 TCAGGCCTGAACCCAGCACGGGTAAGTGGGTGCACGTGGAAAGCTGTGGGAGAAGCA
 S G L H P S T G +
 A P E P Q N G V S G C T W E A V G R S R

1501 GCGTCGCTGCTCCTCTAGGTGGGAGCGGCACCCAGTTATGTTGGCAGGTCCCTGCC
 V A A A S R V G S G T P V M L A G P C P

1561 CCTGCTAATGCCTCTGCTTGCCTCTGCAGAACACAATGGTGGGTTGAGCTCCGGCT
 C +

1621 GAGTCCAGCCCTCATGAGCAACAACCCCTGGCCACTATCCAAGGTGCGTGCTGCCTCAT

1681 GTCACACCCATCGTCACCAGCCCCGAATTCGAG

FIG.18A (CONT.)

ACGACCATTCGGCTTCGAGGCCCTAACCTGAGCTCAAGAACATGTGCAAACCTCAAG
 781 T T I S R F E A L N L S F K N M C K L K
 D H F P L R G P Q P E L Q E H V Q T Q A
 CCCCTCCTGGAGAAGTGGCTAACGATGCAGAGACTATGTCTGTGGACTCAAGCCTGCC
 841 P L L E K W L N D A E T M S V D S S L P
 P P G E V A Q R C R D Y V C G L K P A Q
 AGCCCCAACAGCTGAGCAGCCCCAGCCTGGTTTCGAGCCTGCCGGAGACGCAAG
 901 S P N O L S S P S L G F E P A G R R R K
 P Q P A E Q P Q P G F R A C M P E T Q E
 AAGAGGACCAGCATCGAGACAAACGTCCGCTCGCCTAGAGAAGAGTTTCTAGCGAAC
 961 K R T S I E T N V R F A L E K S F L A N
 E D Q M R D K R P L R L R E E F S S E P
 CAGAAGCCTACCTCAGAGGAGATCCTGCTGATGCCGAGCAGCTGCACATGGAGAAGGAA
 1021 Q K P T S E E I L L I A E Q L H M E K E
 E A Y L R G D P A D R R A A A H G E G S
 GTGATCCCGCTGGTTCTGCAACCGGCCAGAAGGACAAACGCATCAACCCCTGCAGT
 1081 V I R V W F C N R R Q K E K R I H P C S
 D P R L V L Q P A P E G E T H Q P L Q C
 GCGGCCCATGCTGCCAGCCCAGGGAAAGCCGCCAGCTACAGCCCCATATGGTCACA
 1141 A A P M L P S P G K P A S Y S P H H V T .
 G P H A A Q P R E A G Q L Q P P Y G H T
 CCCCAAGGCGGCGCGGGACCTTACCGTTCCAGCTGAGCACACA
 1201 P Q G G A G T L P [L] S Q A S S S [L] S T T
 P A G R G D L T V V P S F Q Q S E H N S

FIG.18A (CONT.)

1411 CCTCAAGGCAGCCACTCGGCTATCGGCTTGTCAAGGCCTGAACCCCAGCACGGGCCCTGGC
P Q G S H S A I G L S G L N P S T G P G
S A Q P L G Y R L V M P E P Q M G P N P

1471 CTCTGGTGGAACCTGCCCTTACCAAGCCTTGATGGCAGCGGAAATCTGGTGCTGGGGC
L W W N P A P Y Q P .
L V E P C P L P A L M A A G I W C W G Q

1531 AGCCGGTGCAGCCCCGGGGAGCCCTGGCCTGGTACCTCGCCGCTCTTCTTGAATCATGC
P V Q P R G A L A W .

1591 TGGGCTGCCCTGCTCAGCACCCCGCCTGGTGTGGCCTGGTCTCAGCAGCGGCTGCAGG
TGTGGCAGCCTCCATCTCCAGCAAGTCTCCTGGCCTCCCTCCATCCCTTCATCCTC

1651 ATCCTCCTCCTCCACTTGCAGCGAGACGGCAGCACAGACCCCTGGAGGTCCAGGGGG
1711 CCCGAGGCAGGGTCCAAACCTGAGTGAGGGCCAGCCATGCCTCCCTCCATTCCCTGG
1771 TCCCTGCCCGGAATTTC
1831

FIG.18B

N a a a E/D DNA LLLL C Oct-2

N LORF (277 AA) C

FIG.18C

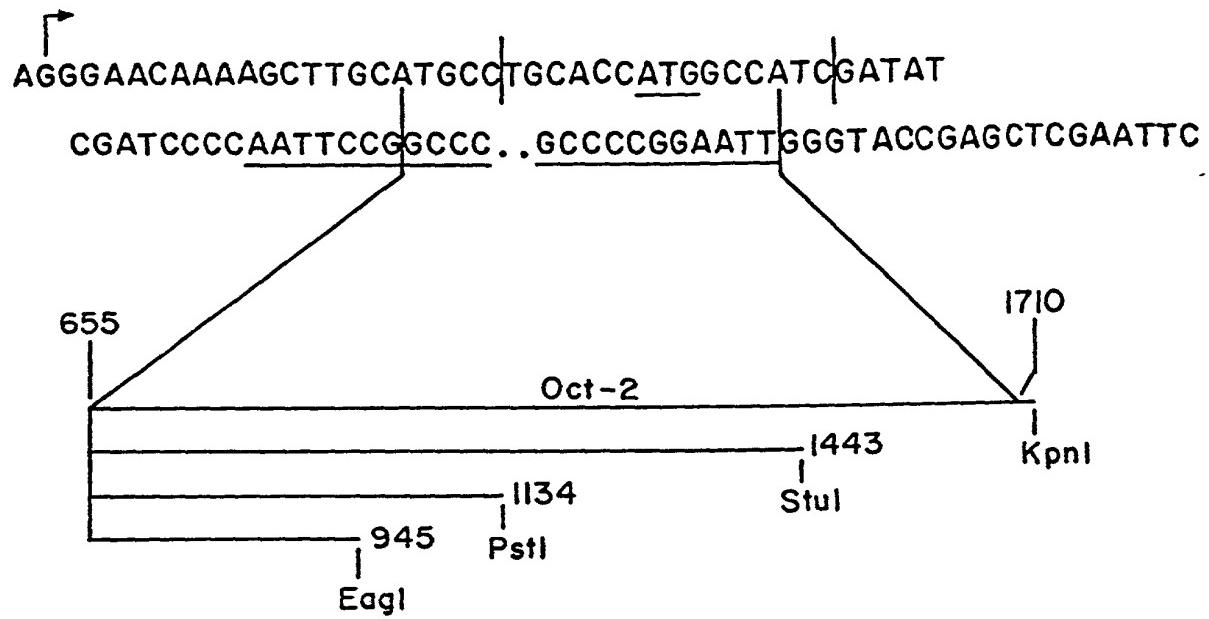


FIG.19

FIG.20

helix turn helix →

↔

Oct-2 RRKKRTSIE TNVRF A E K S F L A N Q K P T S E E I L L I A E Q L H M E K E V I R V W E C N R Q K E K R I N P C

* *

a1 SPKGSSISPQARAFLEQVFRRKQSLNSKEKEEVAKKCGITPLQVVRVHEINKBMRSK

* *

a2 KP YRGHRET KENVRI L E S W F E A K N P X L D T K G L E N I M K N T S I L S R I Q I K N M V S N R B R K E K T I T

*

pho2 QRPK RTRAKGEALD V L K R K F E I N P T P S L V E R K K I S D L I G M P E K N V R I K E Q N R B A K L R K K Q

*

mec-3 RRG P R T T I K Q N Q L D V I N E M F S N T P K P S K H A R A K L A A L E T G L S M R V I Q V W E Q N R B S K E R R L K

*

cut SKKQBVL E S E E Q K E A L R L A F A L D P Y P N V G T I E F I L A N E L G L A T R T I T N W E H N H R M R L K Q Q V

* *

en E K R P B T A F S S E Q L A R L K R E F N E R Y L T E R R R Q Q I L S S E L G L N E A Q I K I W E Q N K R A K I K K S T

*

Antp R K R G B Q T Y T R Y Q T L E K E E H E N R Y L T R R R I E I A H A L C L T E R O I K I W E Q N R B M K W K K E N

*

R Q I Y L W E N R

(conserved residues in homeo-box family)

FIGURE 21A

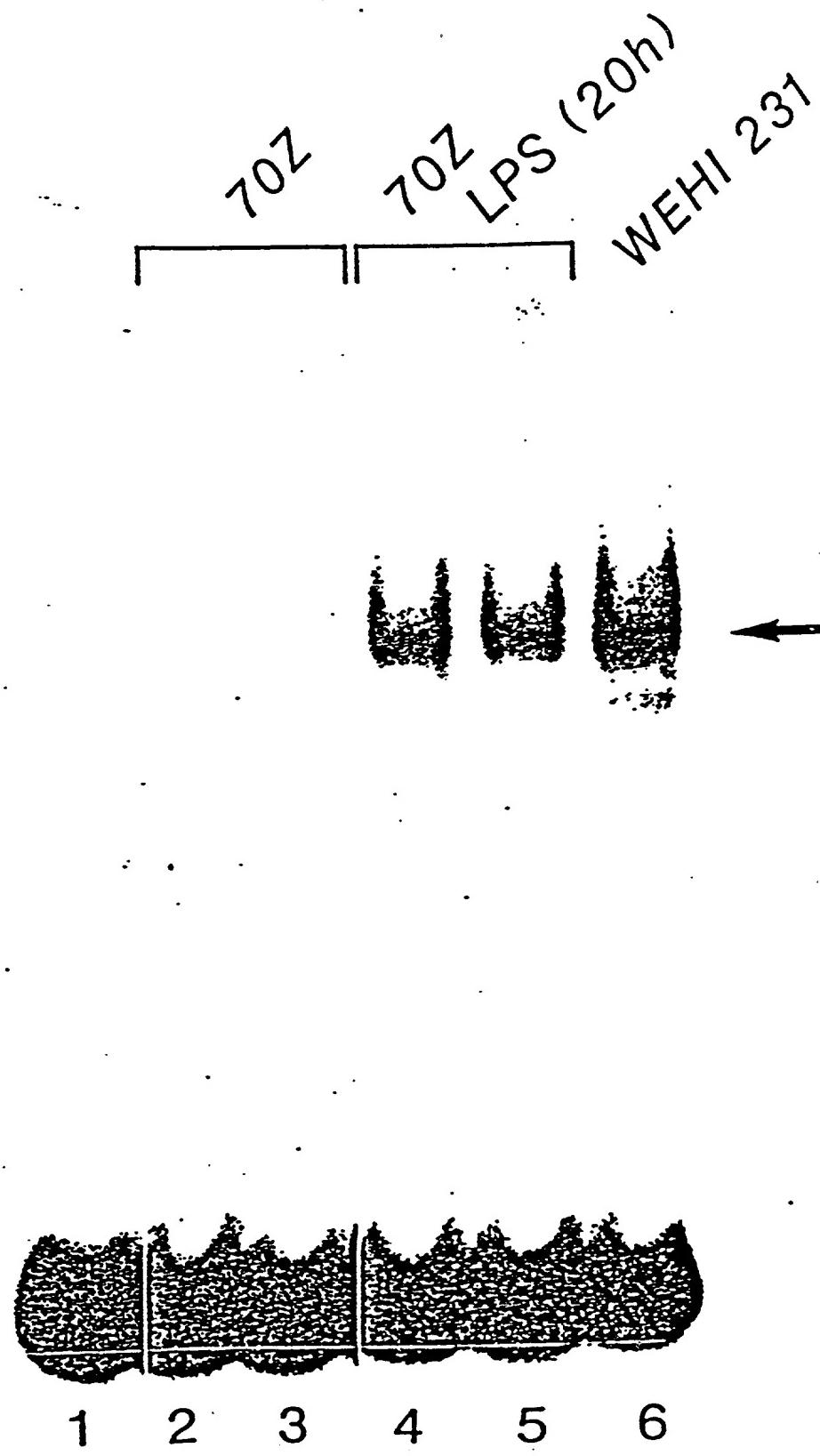
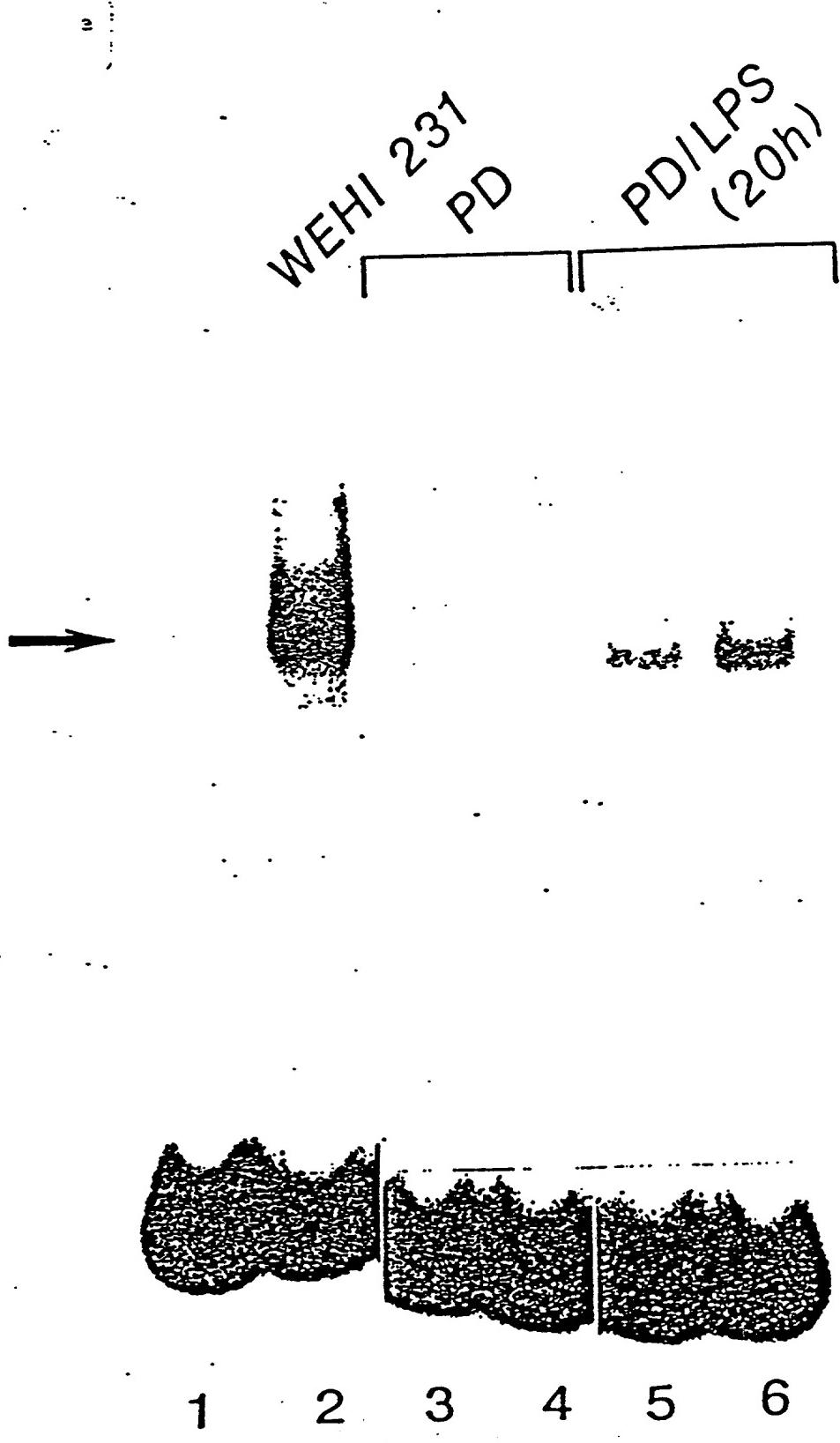


FIGURE 21B



WEHI 23

LPS (4hr)
LPS (2hr)
LPS (1hr)
LPS (30min)



FIGURE 22A

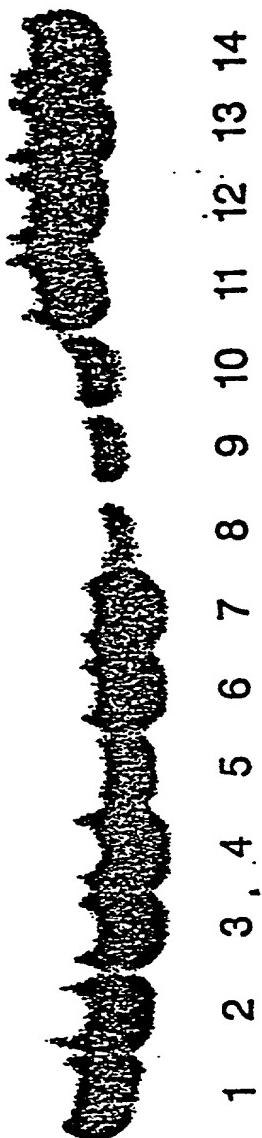


FIGURE 22B

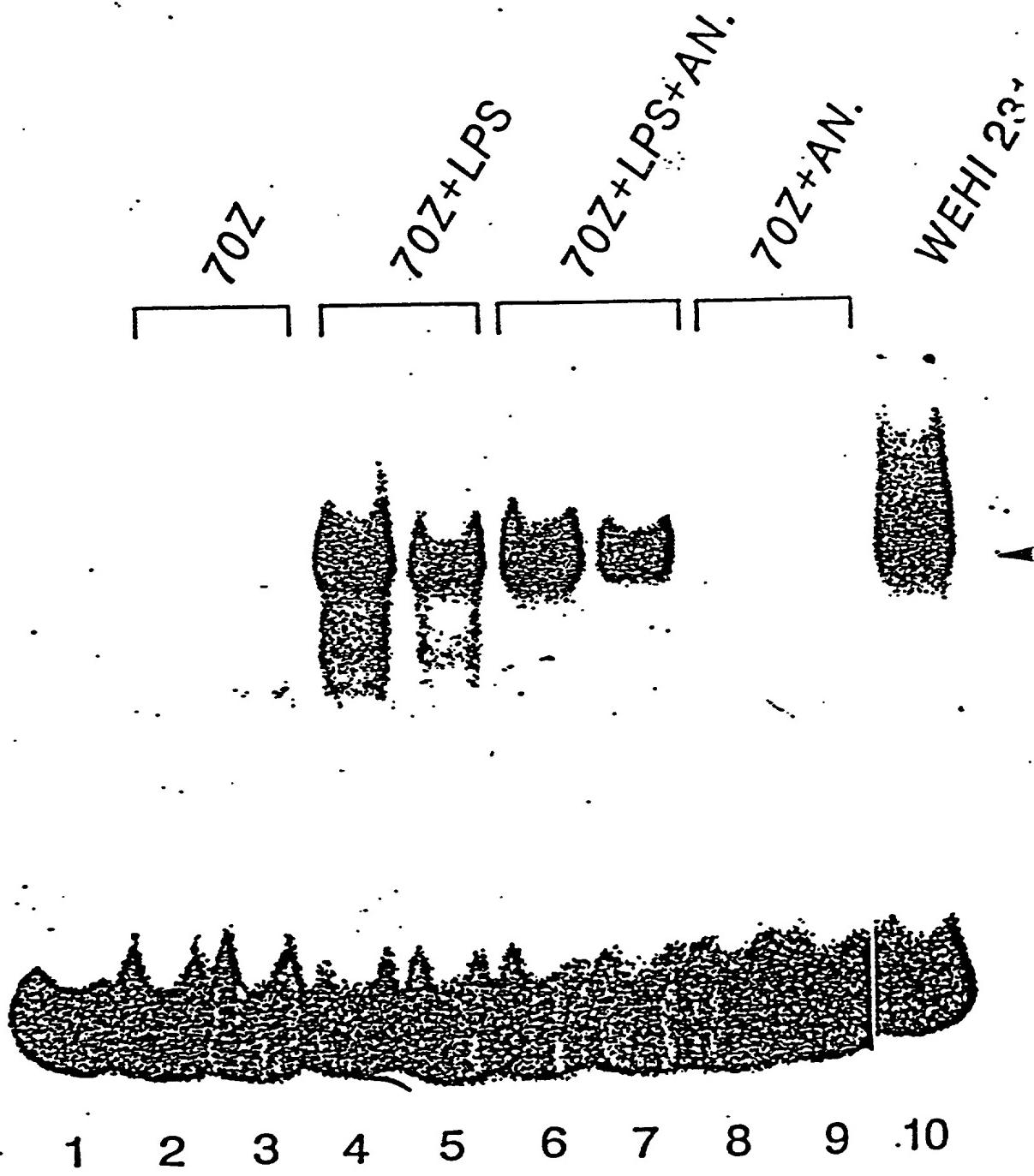


FIGURE 23A

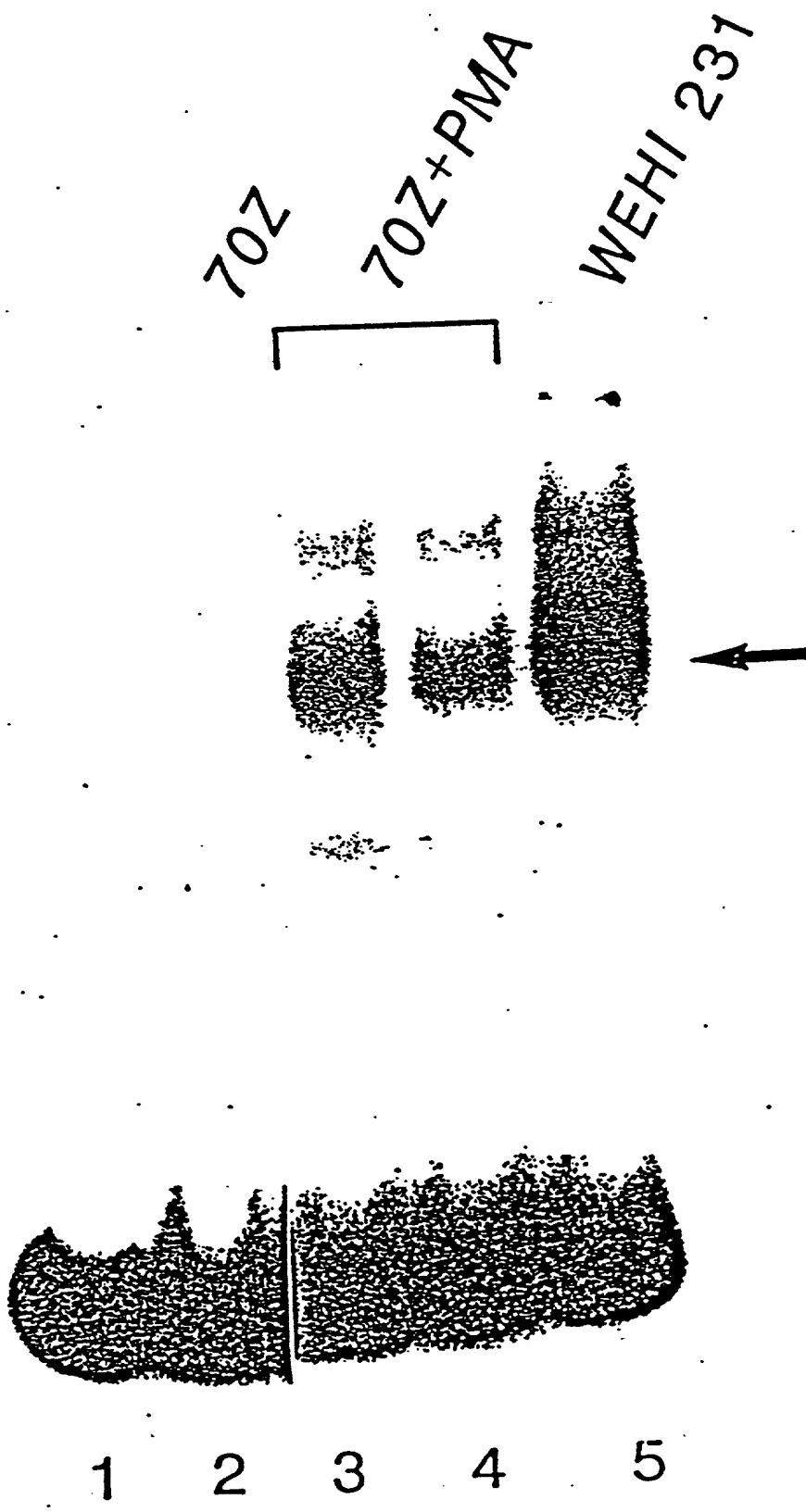


FIGURE 23B

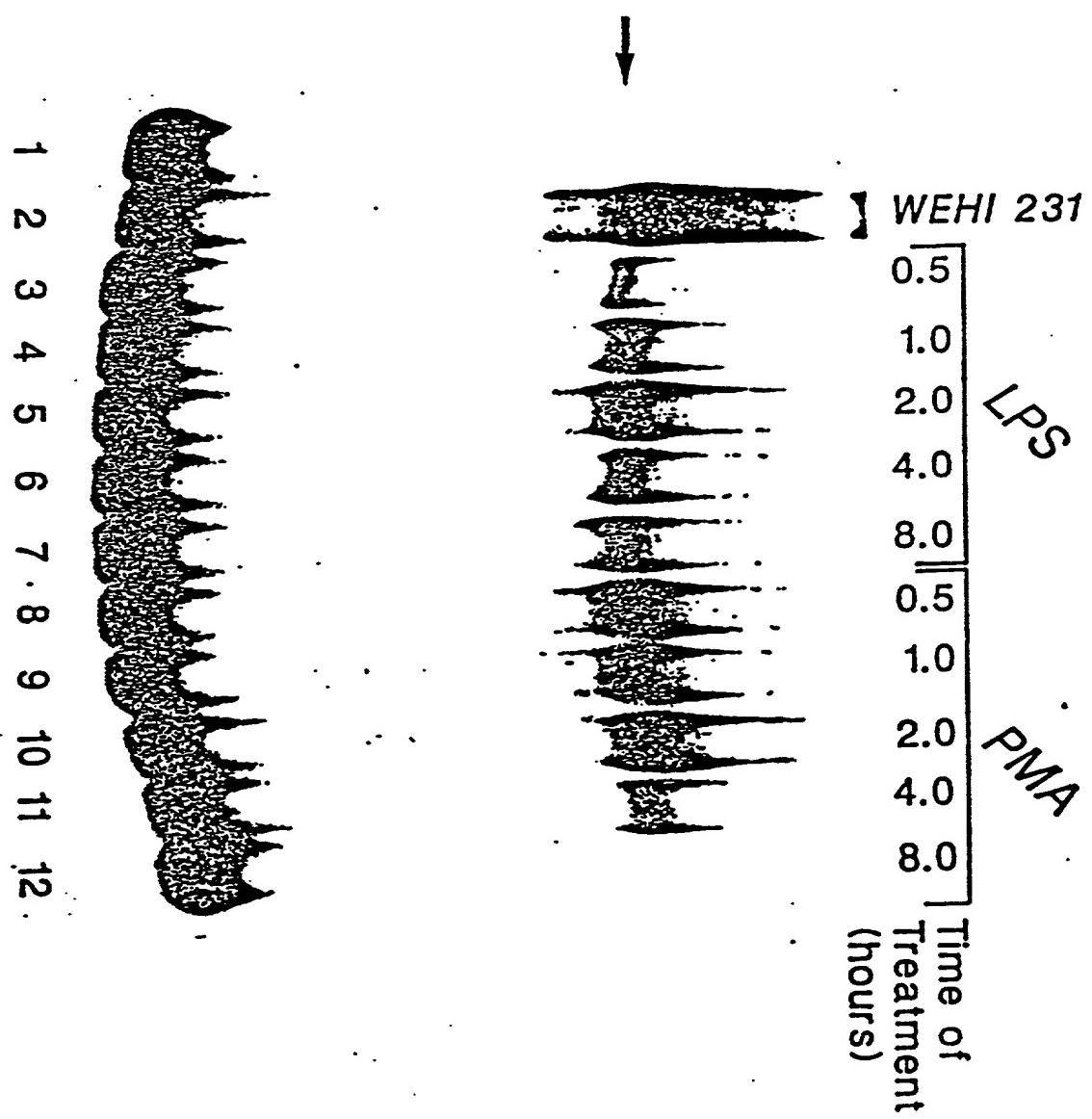


FIGURE 24A

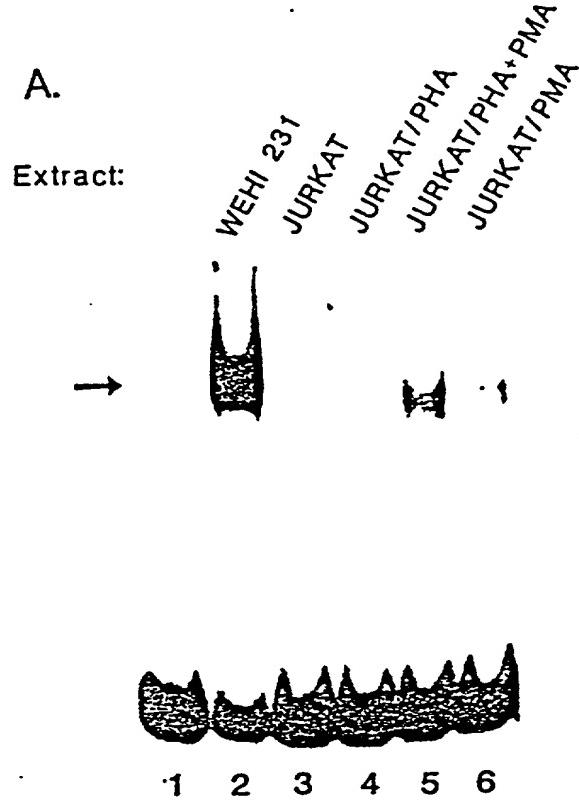


FIGURE 24B

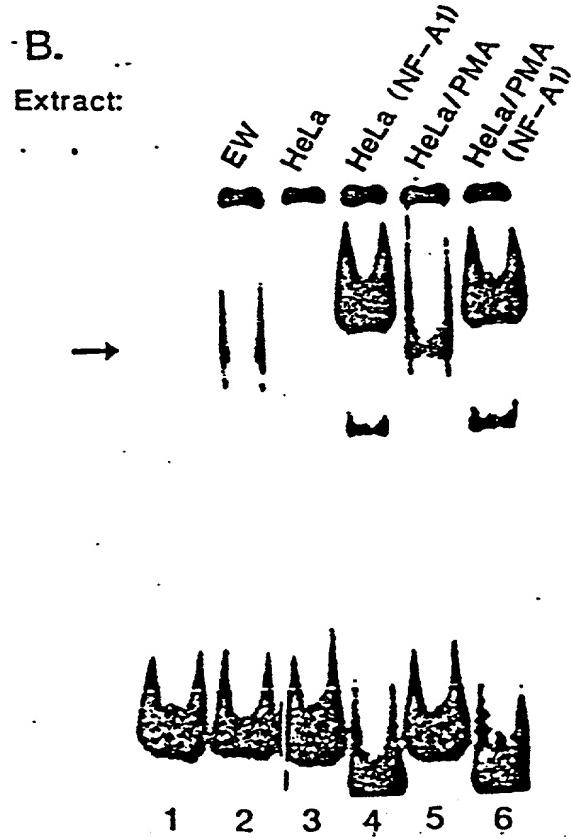


FIGURE 24C

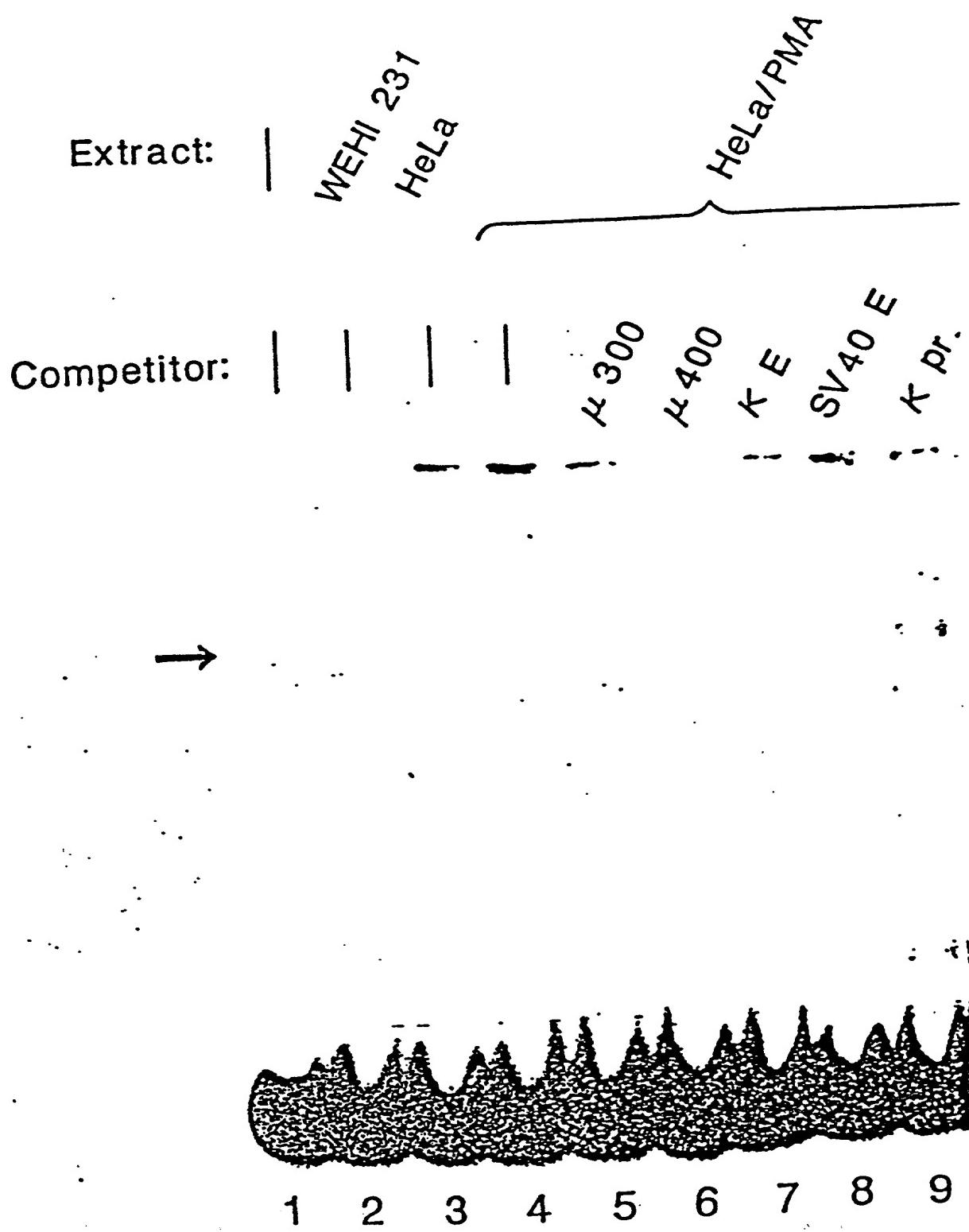
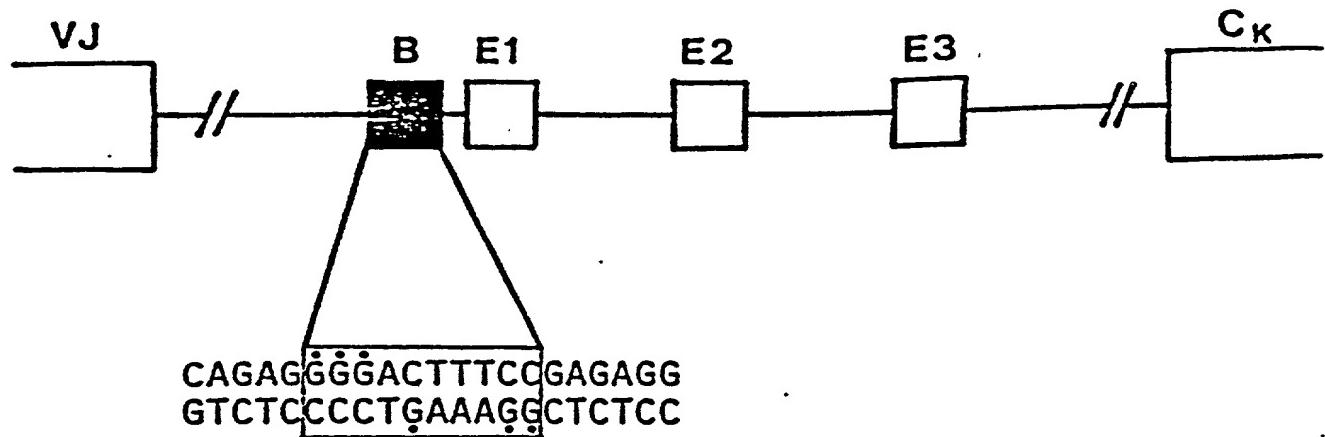


FIGURE 25

κ -Enhancer



HIV LTR

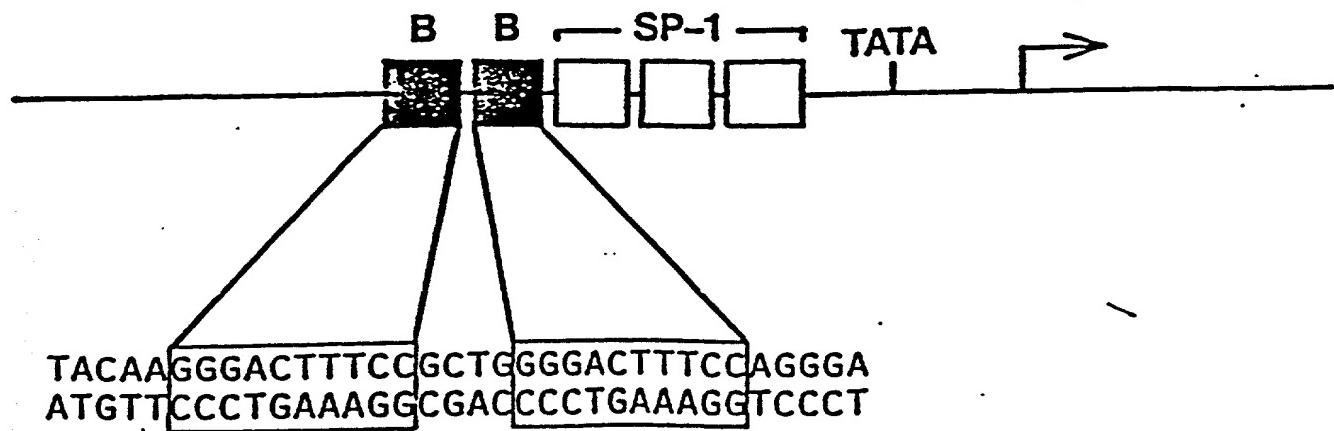


FIGURE 26

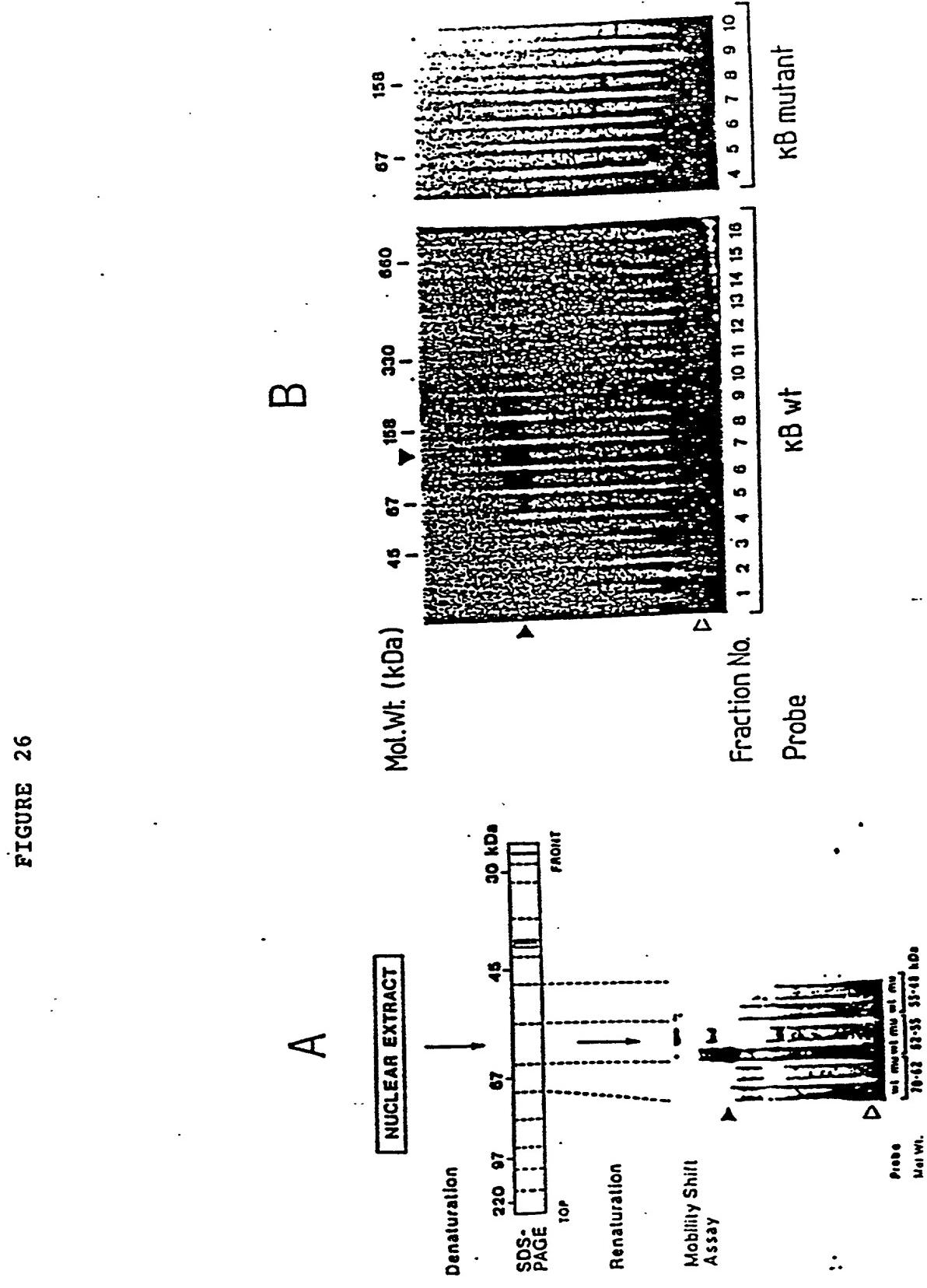


FIGURE 27

A

Treatment : none

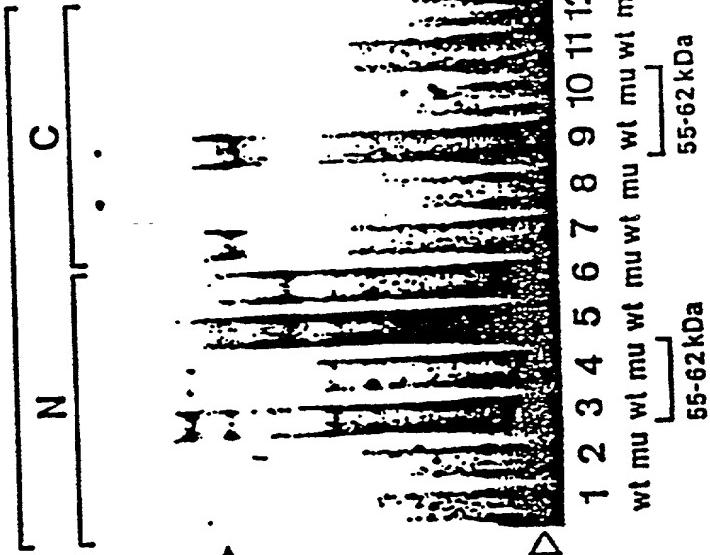
Dissociating Agents

CONTROL TPA

Fraction : N C P N C P

wt.

CONTROL



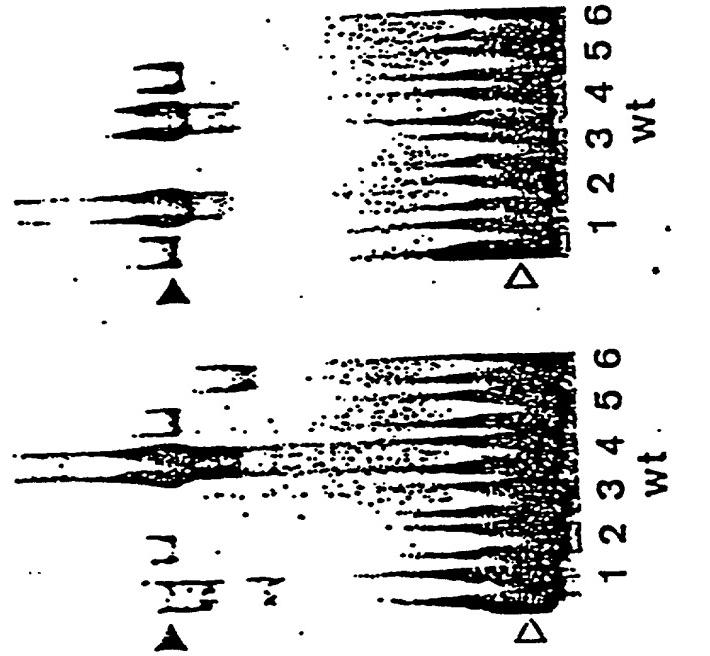
B

Denaturation SDS-PAGE Renaturation

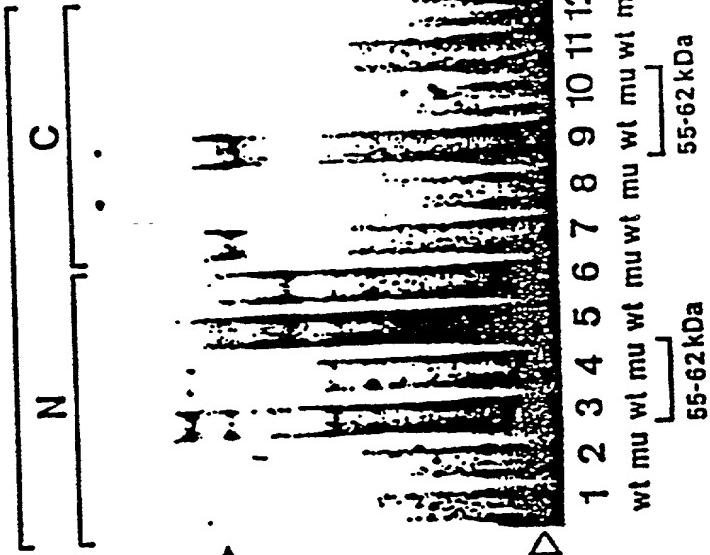
CONTROL TPA

Fraction : N C P N C P

wt.



C



κB -Probe :

1 2 3 4 5 6 1 2 3 4 5 6

wt. wt.

1 2 3 4 5 6 7 8 9 10 11 12

wt. mu mu mu mu mu

55-62 kDa

FIGURE 28

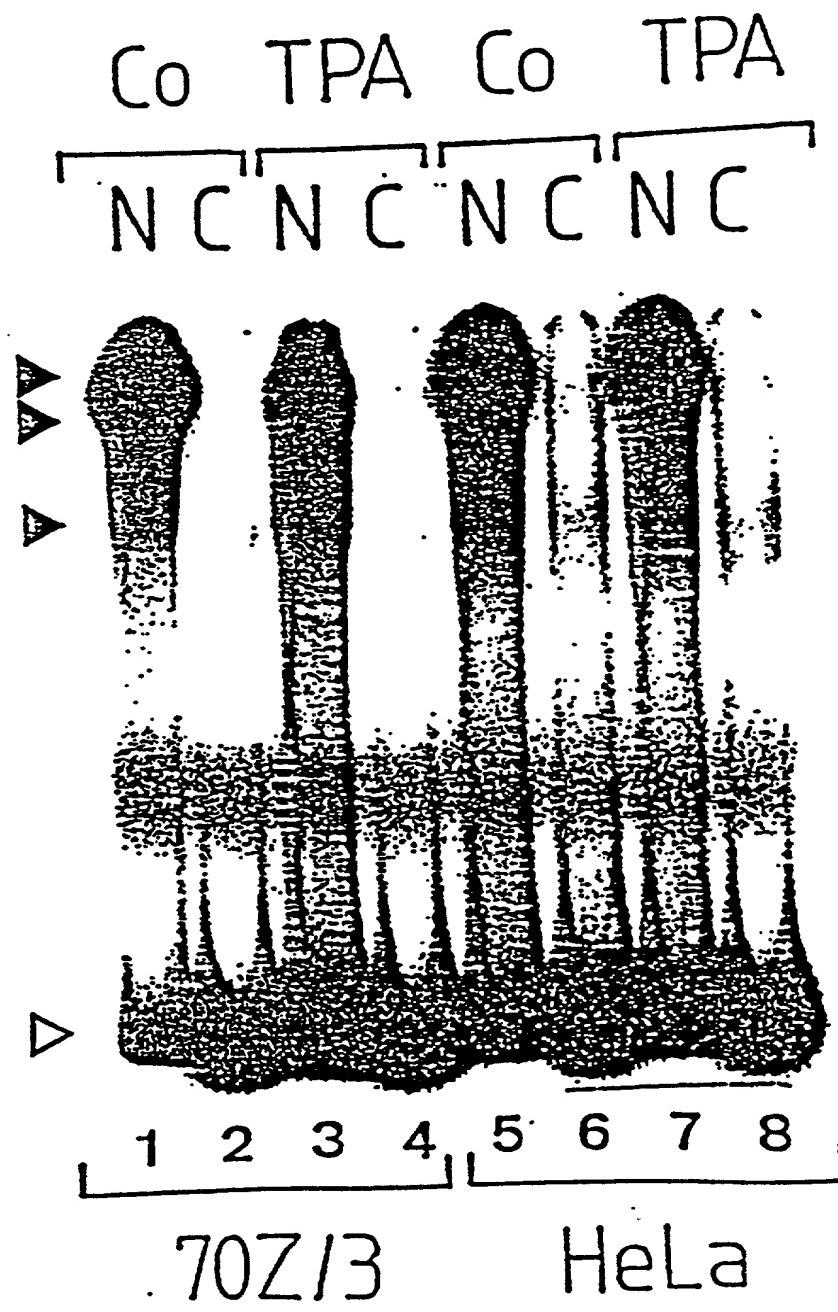


FIGURE 29

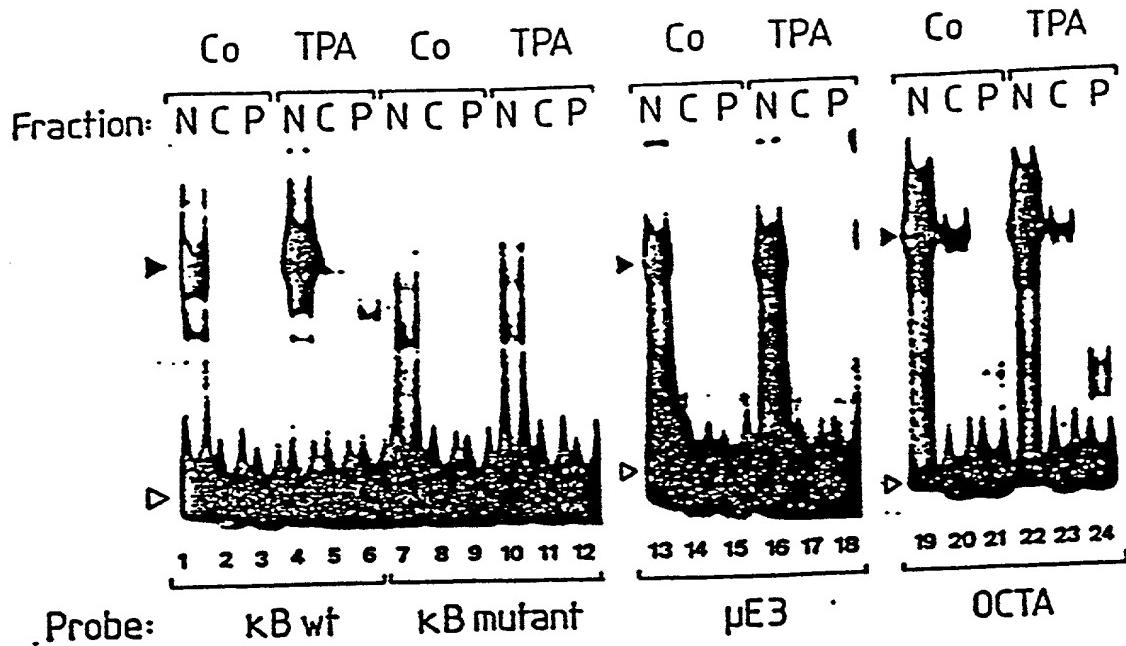


FIGURE 30

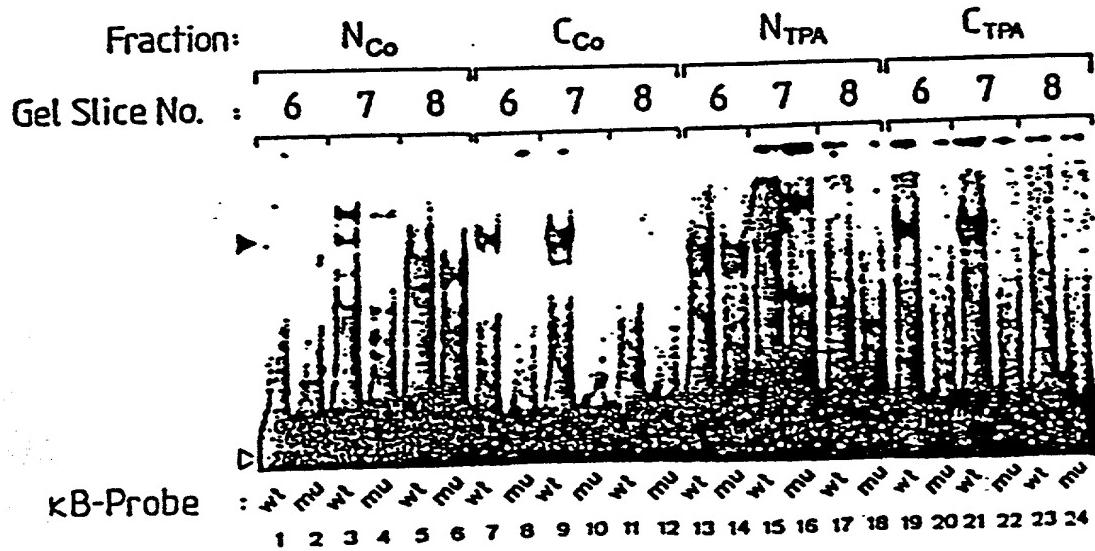


FIGURE 31

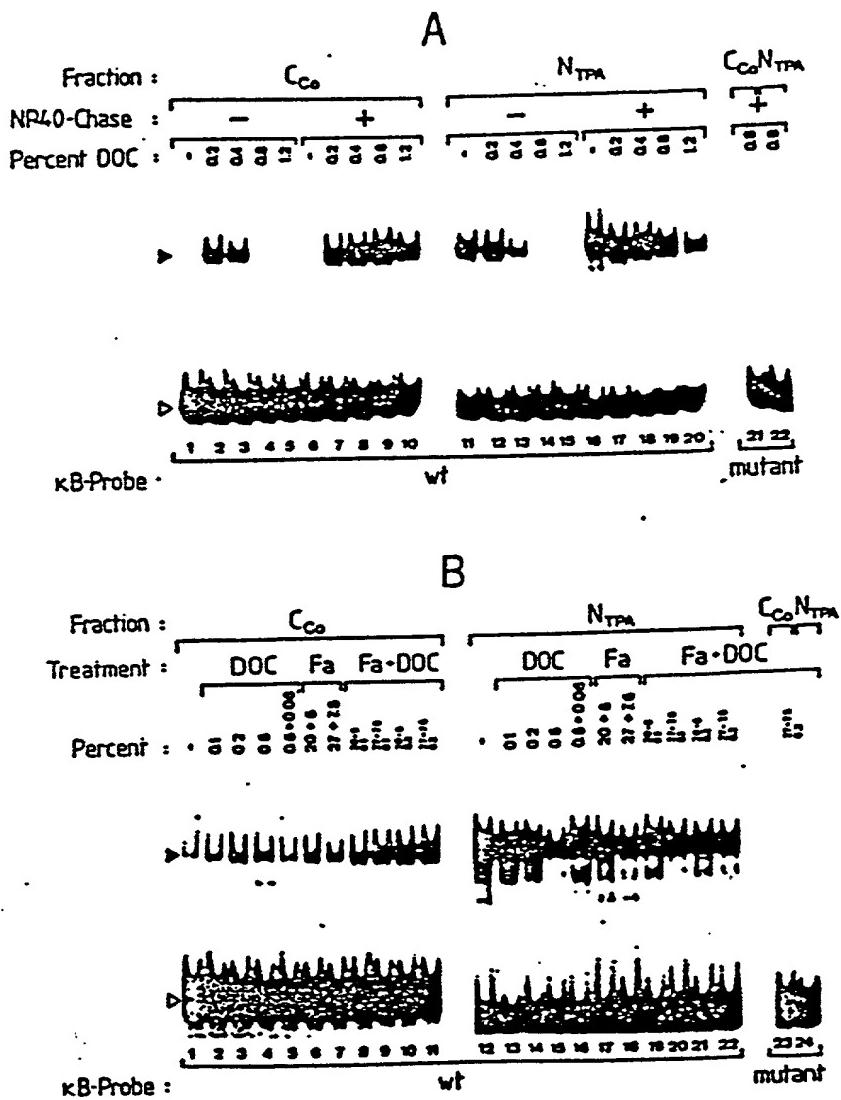


FIGURE 32

70Z/3

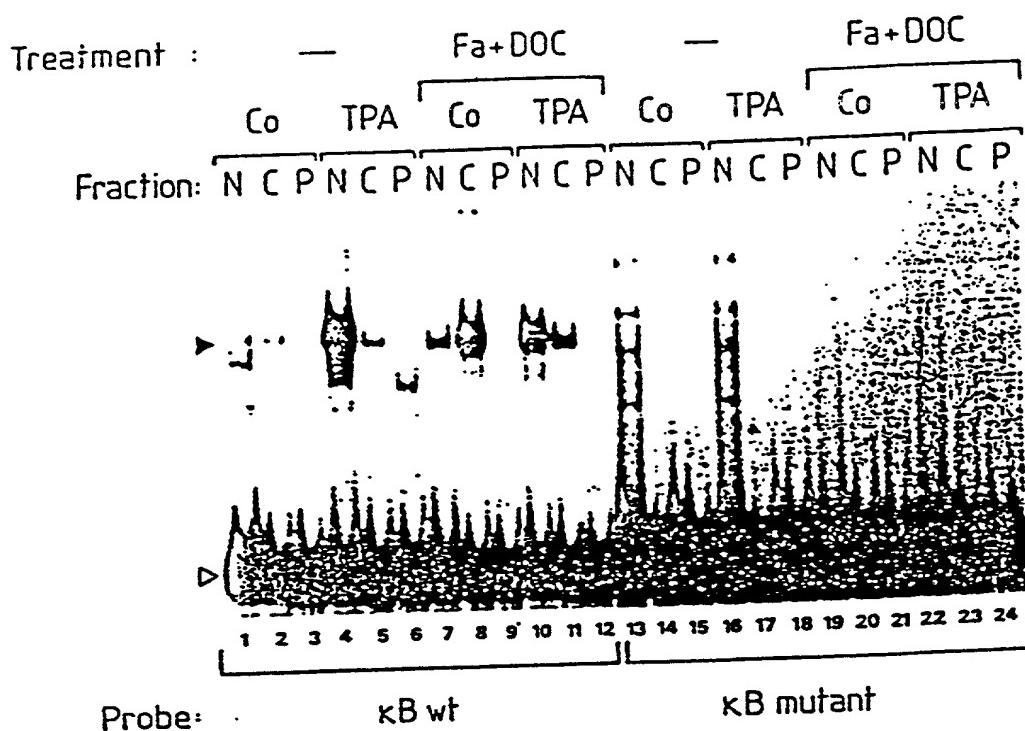


FIGURE 33

HeLa

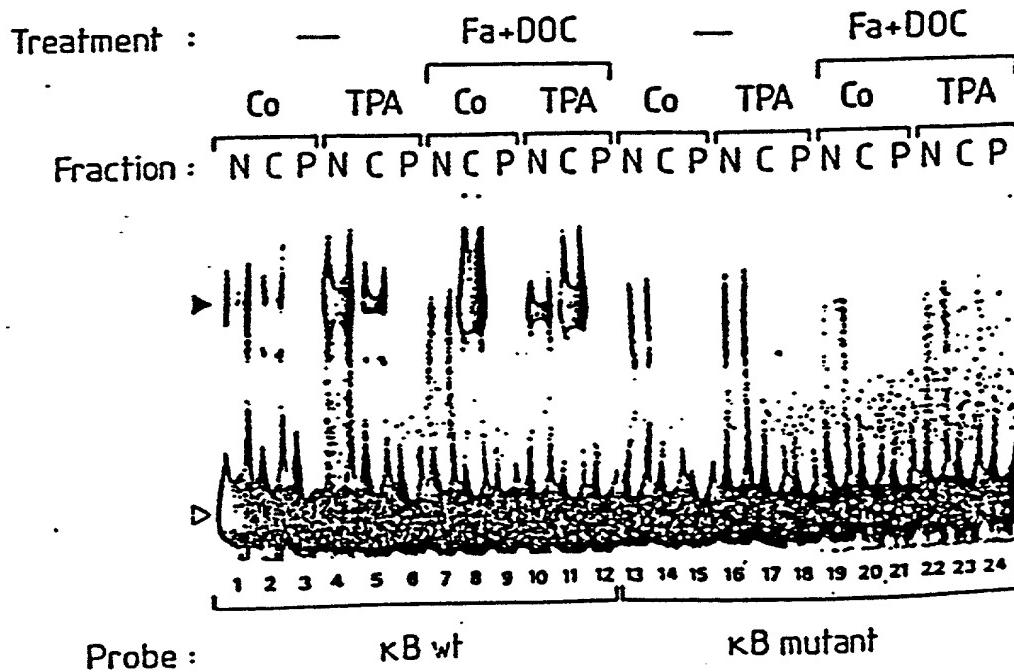


FIGURE 34

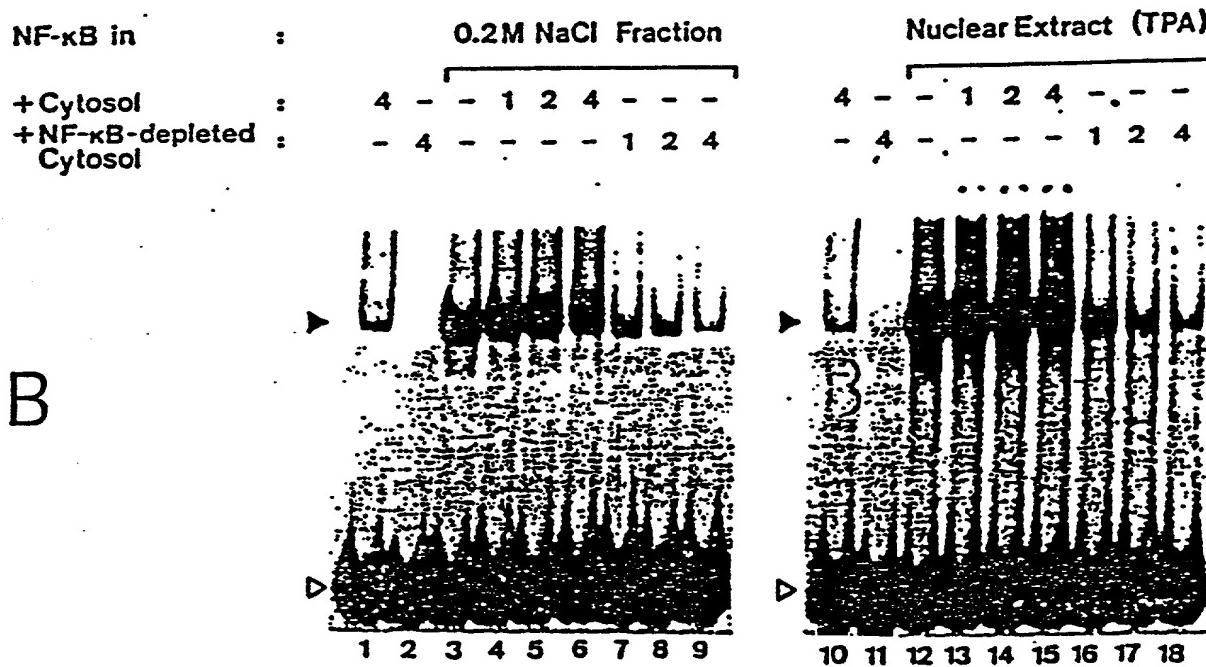
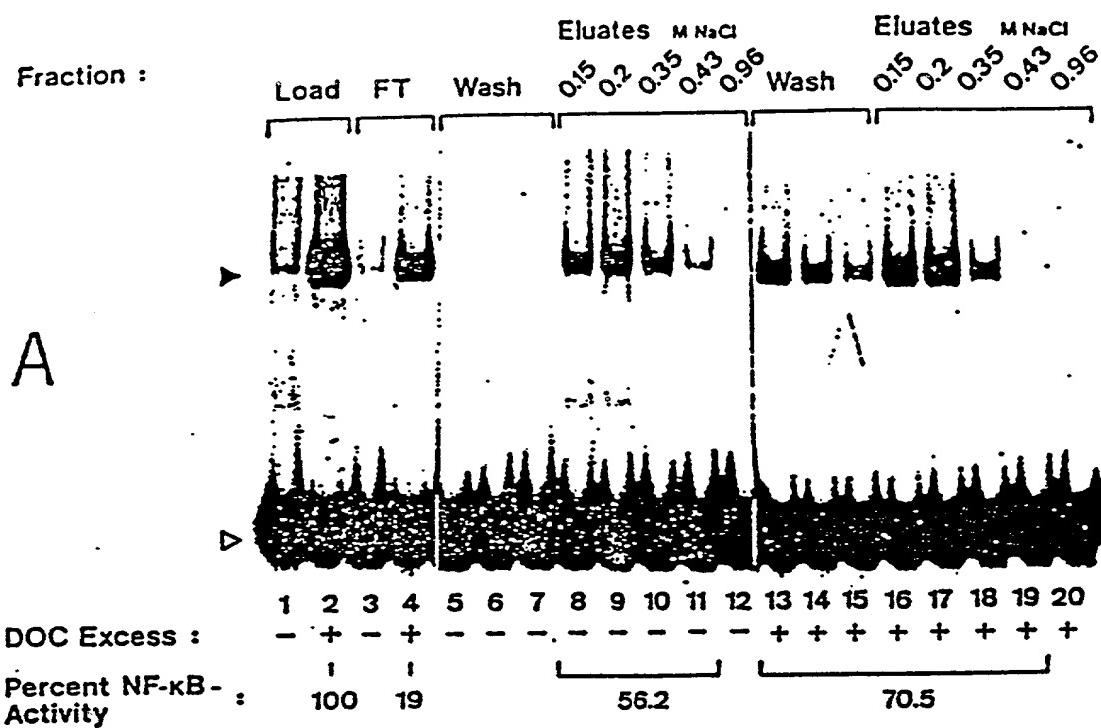


FIGURE 35

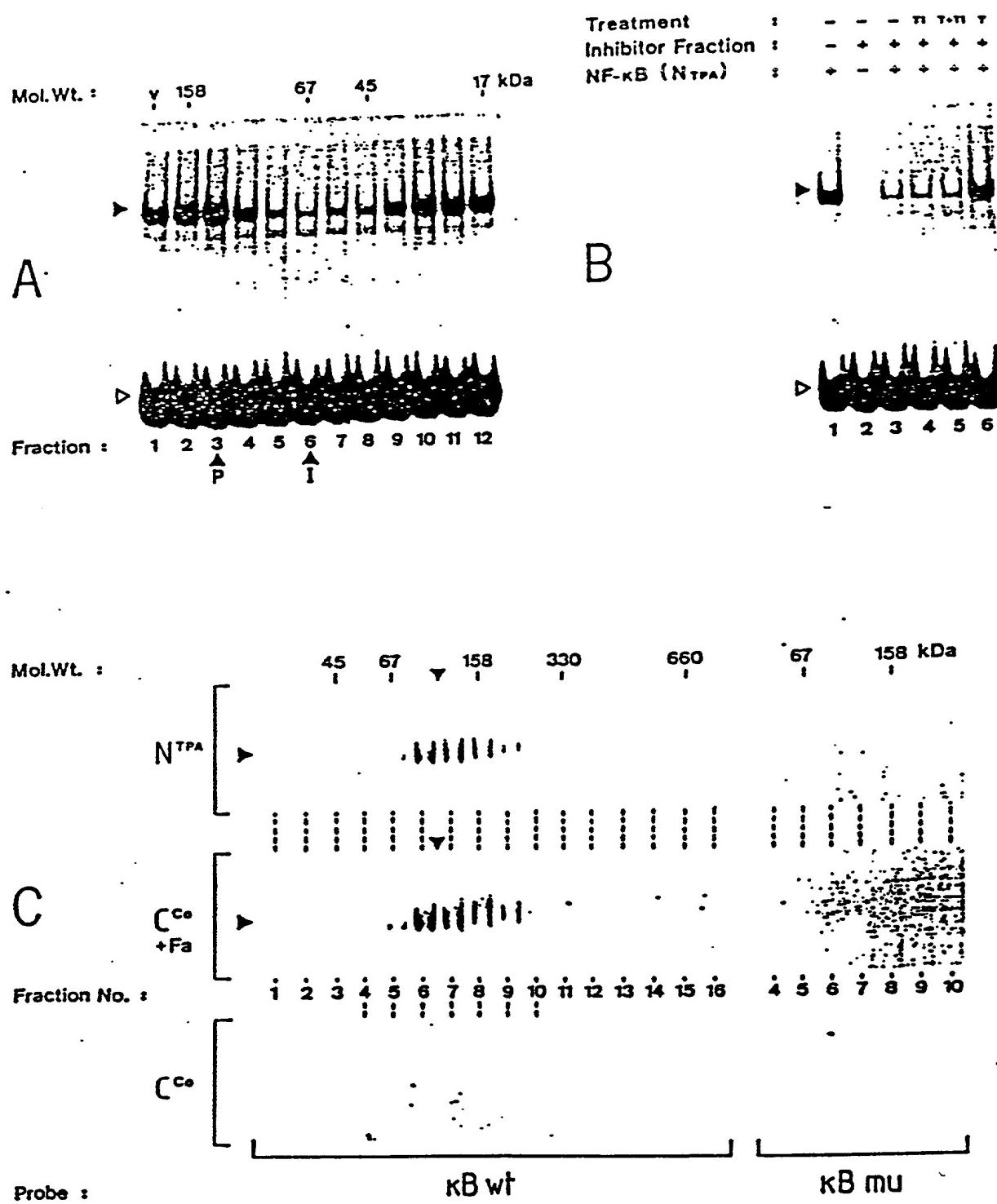


FIGURE 36

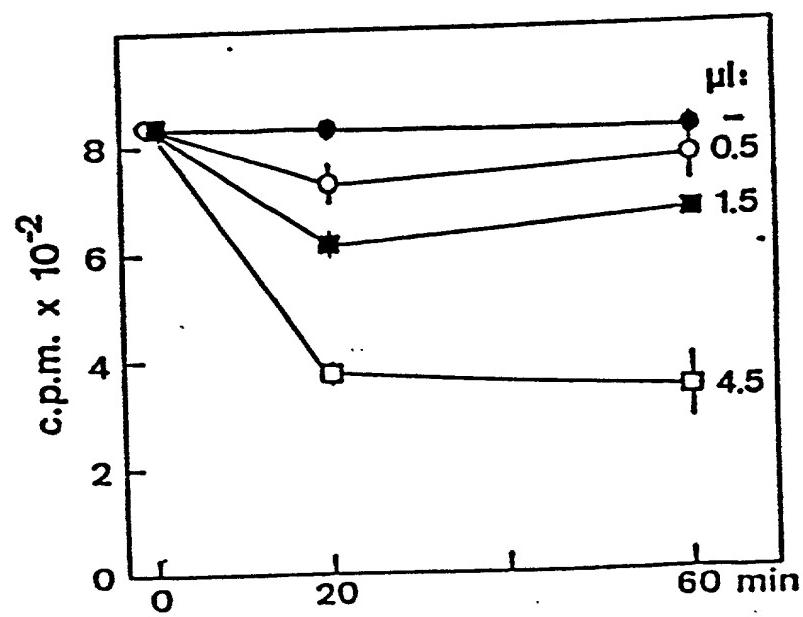
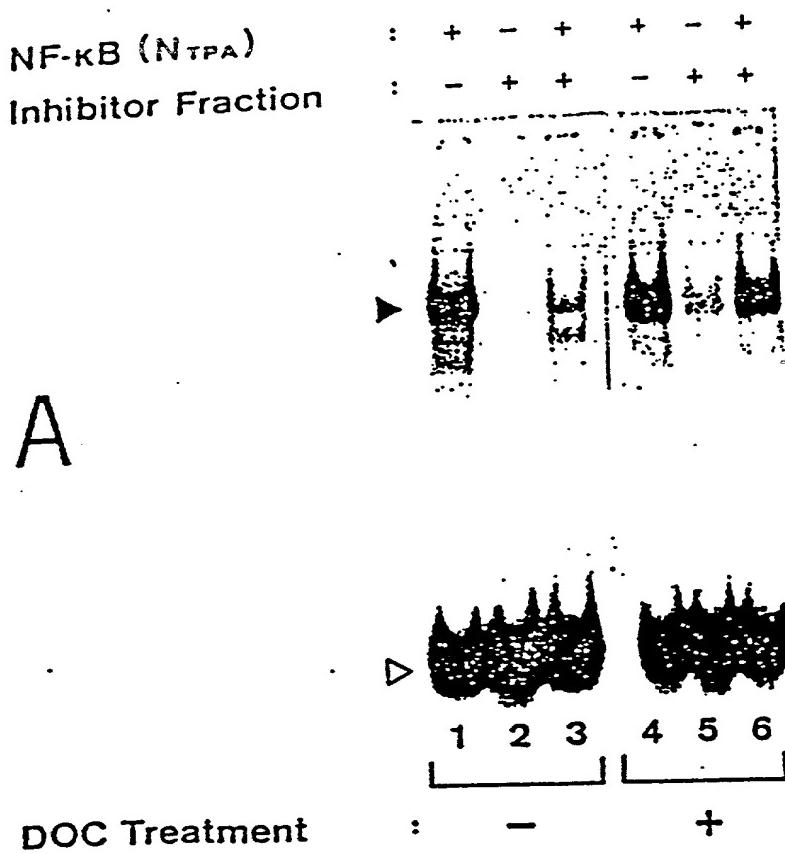


FIGURE 37

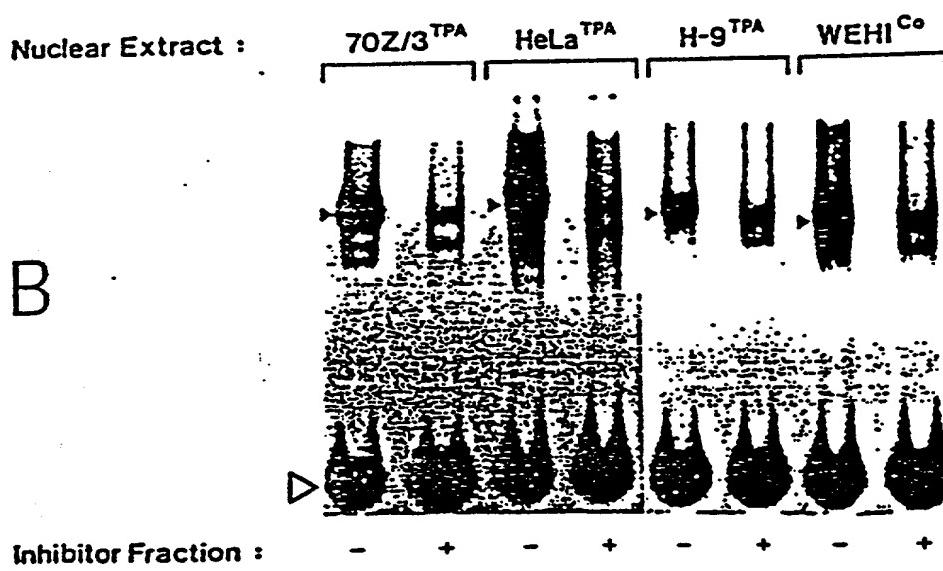
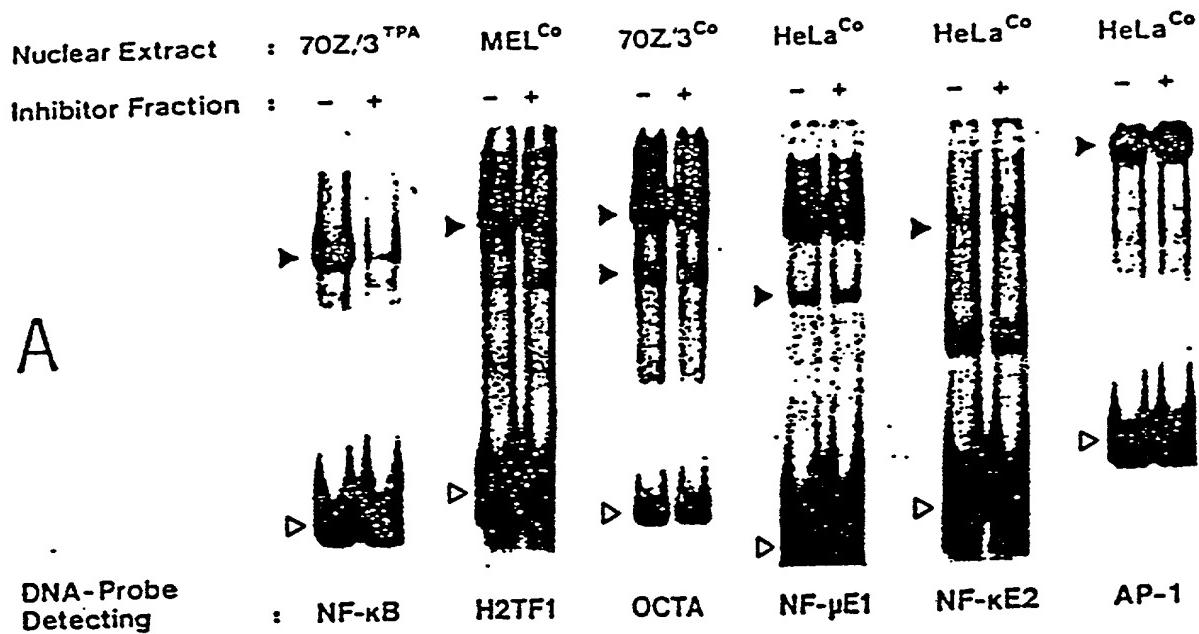
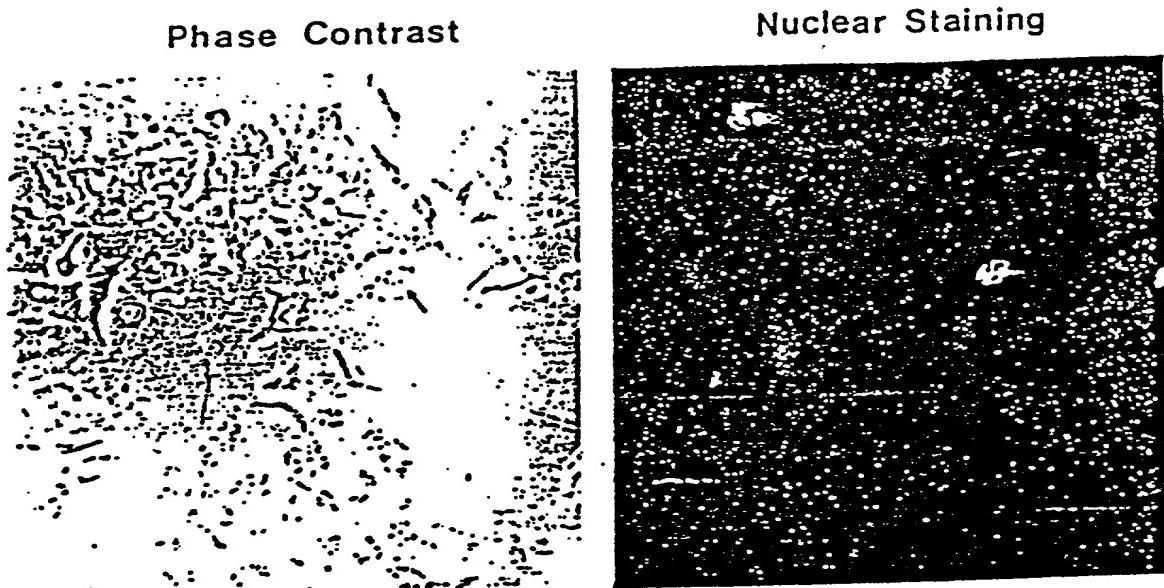


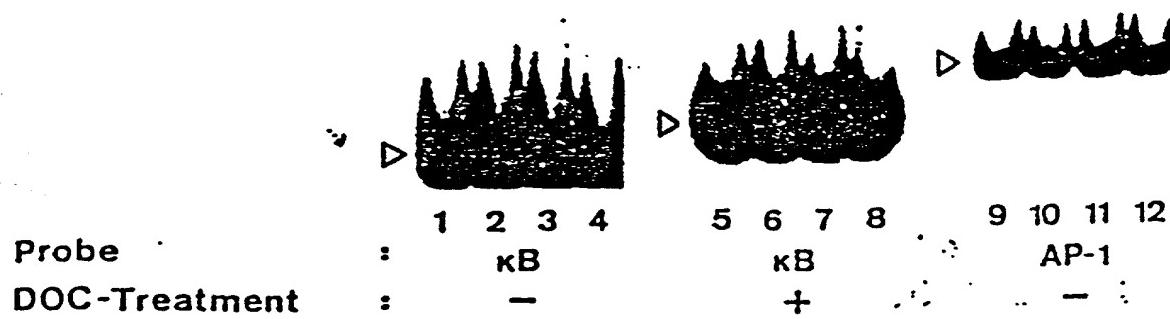
FIGURE 38



Enucleation :	-	+	-	+	-	+
Treatment of Cells :	Co TPA					



}



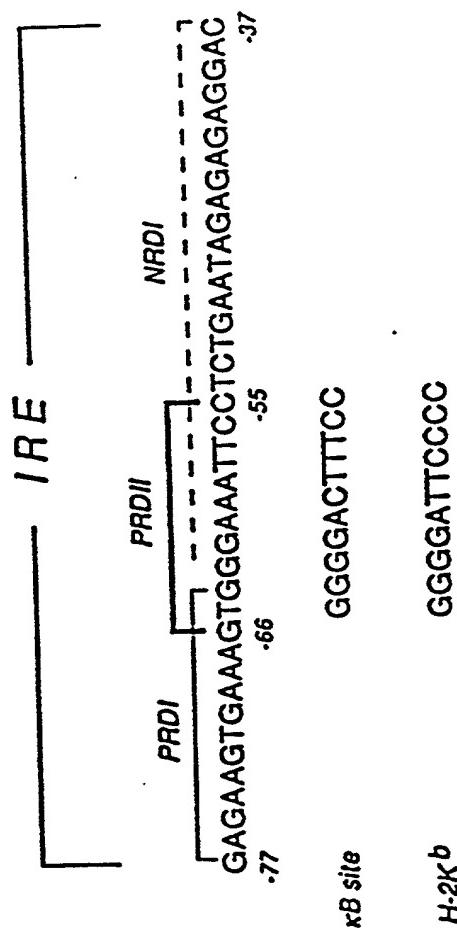


Figure 39

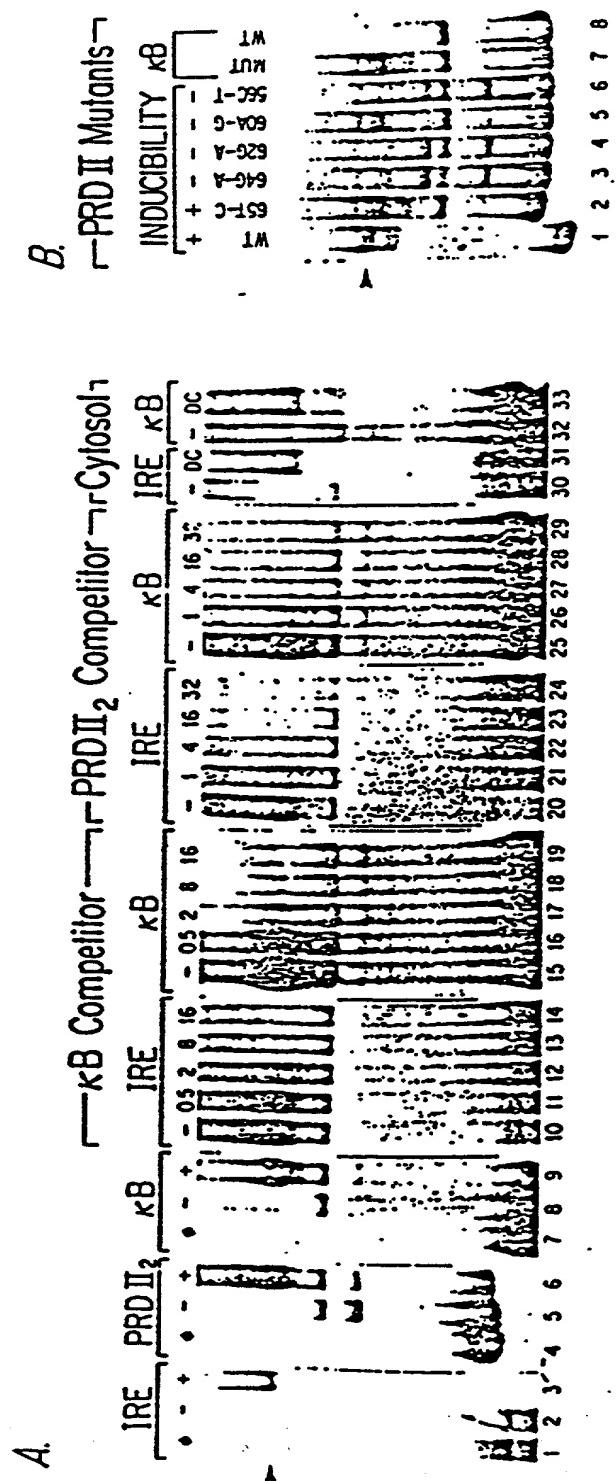


Figure 40

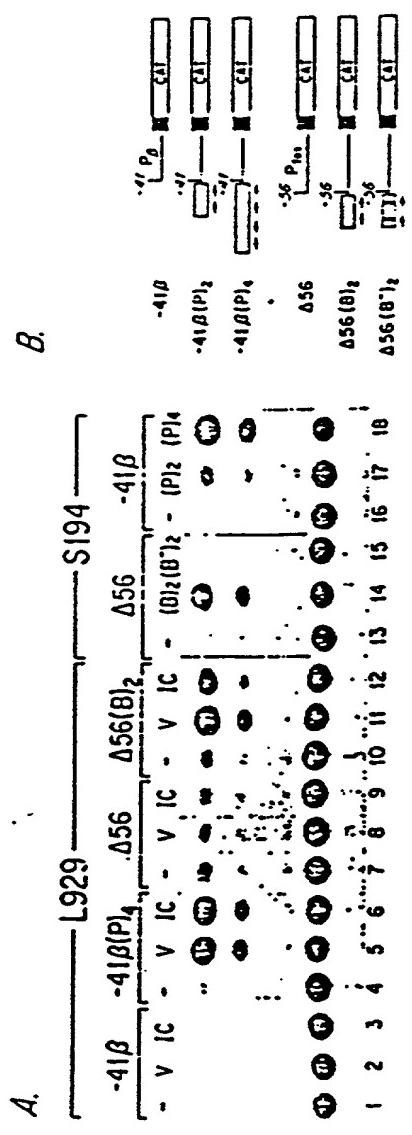


Figure A1

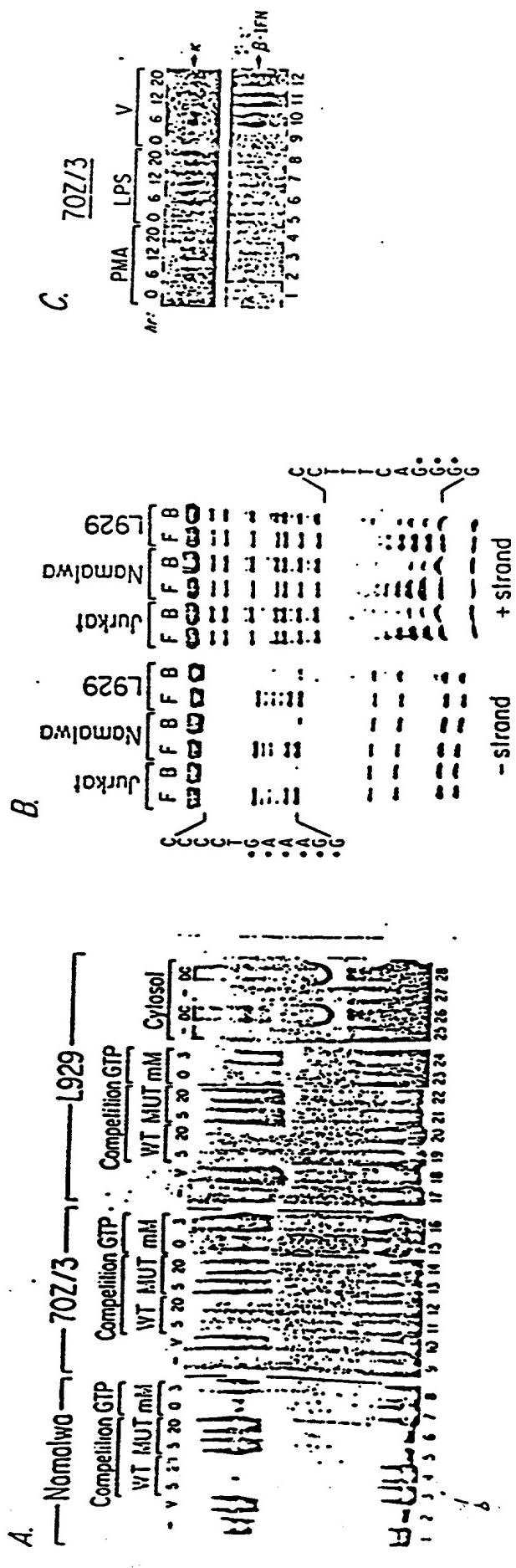


Figure 42

